Classic FILTERS

We offer every industry standard size and grades

But there is nothing 'standard' about the quality of our service

Established in 2001, Classic Filters Ltd. manufactures high-quality, bonded microfiber filter elements and filter housing for use in both gas and liquid applications.

Thanks to our highly-experienced team of engineers, we have developed some of the most efficient, low-cost filters, producing unparalleled flow rates and extremely low pressure drops.

Whether you need a filter element that's interchangeable with other manufacturers' filter housings, or whether you need a completely tailored, custom-built solution. We can deliver.

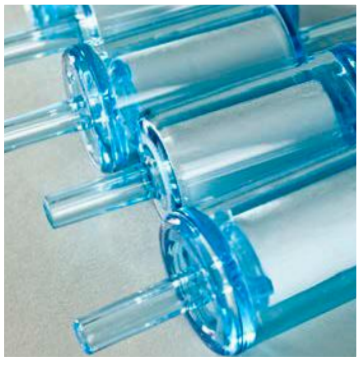
What's more, we can deliver quickly.

We appreciate the disruption and inconvenience that replacing a filter can cause, which is why we manufacture and deliver our products in super-quick time, to help minimise the impact that this has on your business.

We also offer local service and support to ensure that you get the best possible performance from your filtration system.

Why Choose Classic Filters?

- Low-cost, high-quality filtration solutions
- Extensive, customer-driven product range
- Super-quick logistics and delivery
- Customer service excellence
- Unparalleled support



TÜV NORD
TÜV UK Ltd.
ISO 9001

Take a look at our comprehensive product range to see if we have what you need to solve your filtration problems.

If not, get in touch and we will make it for you, according to your particular specifications and requirements.

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Stainless Steel Filter Housings: 1/8" to 1/2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/067a	SS1210 Series	316L SS	1/4" & 3/8"	1050	12.57
CF/2.0/067b	SS1211 Series	316L SS	1/4" & 3/8"	1400	12.57
CF/2.0/068	SG211 & SS212 Series	316L SS & Pyrex	1/4" & 1/2"	7 & 10	25.64
CF/2.0/069	SS215 Series	316L SS	1/4" & 1/2"	100	25.64
CF/2.0/070	SiS215 Series with DPI	316L SS	1/4" & 1/2"	100	25.64
CF/2.0/071	SV215 Series - Inverted Coalescing	316L SS	1/4" & 1/2"	100	25.64
CF/2.0/072	SS216 Series	316L SS	1/4" & 1/2"	200	25.64
CF/2.0/073	SiS216 Series with DPI	316L SS	1/4" & 1/2"	200	25.64
CF/2.0/074	SS218 Series	316L SS	1/4" & 1/2"	400	25.64
CF/2.0/075	SiS218 Series with DPI	316L SS	1/4" & 1/2"	400	25.64
CF/2.0/076	SS219 Series	316L SS	1/4" & 1/2"	700	25.64
CF/2.0/077	SiS219 Series with DPI	316L SS	1/4" & 1/2"	700	25.64
CF/2.0/078	SG231 & SS232 Series	316L SS & Pyrex	1/4" & 1/2"	7 & 10	25.178
CF/2.0/079	SS225 Series	316L SS	1/4" & 1/2"	100	25.178
CF/2.0/080	SiS235 Series with DPI	316L SS	1/4" & 1/2"	100	25.178
CF/2.0/081	SV235 Series - Inverted Coalescing	316L SS	1/4" & 1/2"	100	25.178
CF/2.0/082	SS236 Series	316L SS	1/4" & 1/2"	200	25.178
CF/2.0/083	SiS236 Series with DPI	316L SS	1/4" & 1/2"	200	25.178
CF/2.0/084	SS238 Series	316L SS	1/4" & 1/2"	400	25.178
CF/2.0/085	SiS238 Series with DPI	316L SS	1/4" & 1/2"	400	25.178
CF/2.0/086	SS239 Series	316L SS	1/4" & 1/2"	700	25.178
CF/2.0/087	SiS239 Series with DPI	316L SS	1/4" & 1/2"	700	25.178

Stainless Steel Filter Housings: 3/4" to 1" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/088	SS325 Series	316L SS	3/4" & 1"	100	38.152
CF/2.0/089	SiS325 Series with DPI	316L SS	3/4" & 1"	100	38.152
CF/2.0/090	SS326 Series	316L SS	3/4" & 1"	200	38.152
CF/2.0/091	SiS326 Series with DPI	316L SS	3/4" & 1"	200	38.152
CF/2.0/091a	SS337 Series	316L SS	3/4" & 1"	350	38.178
CF/2.0/092	SS328 Series	316L SS	3/4" & 1"	400	38.152
CF/2.0/093	SiS328 Series with DPI	316L SS	3/4" & 1"	400	38.152

Stainless Steel Filter Housings: 3/4" to 2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/094	SG421	316L SS & Pyrex	3/4" & 1"	7	51.230
CF/2.0/095	SS424 Series	316L SS	3/4" & 1"	35	51.230
CF/2.0/096	SS425 & SHS425 Series	316L SS	1" to 2"	100	51.230
CF/2.0/097	SS426 & SHS426 Series	316L SS	1" to 2"	200	51.230
CF/2.0/098	SS428 & SHS428 Series	316L SS	1" to 2"	400	51.230
CF/2.0/099	SS434 Series	316L SS	3/4" & 1"	35	51.476
CF/2.0/100	SS435 & SHS435 Series	316L SS	1" to 2"	100	51.476
CF/2.0/101	SS436 & SHS436 Series	316L SS	1" to 2"	200	51.476
CF/2.0/102	SS438 & SHS438 Series	316L SS	1" to 2"	400	51.476

Stainless Steel Heatable Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/110	HST Series	316L SS	1/8" & 1/4"	7	12.32 to 25.178
CF/2.0/111	HRT Series	316L SS	1/4"	7	25.64 & 25.178
CF/2.0/112	HSS Series	316L SS	1/4"	7	25.64 & 25.178
CF/2.0/113	HRS Series	316L SS	1/4"	7	25.64 & 25.178

Stainless Steel Fast Loop, In-Line & End-of-Line Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/115	SF Series - Fast Loop (Bypass) Type	316L SS & Pyrex	1/4" & 1/2"	100 & 350	12.32 to 25.178
CF/2.0/116	SL Series - In-Line Type	316L SS	1/4" & 1/2"	100 & 350	12.32 to 25.178
CF/2.0/117	SE Series - End-of-Line Type	316L SS	1/4" & 1/2"	-	12.32 to 25.64
CF/2.0/118	SO Series - End-of-Line Type	316L SS	1/4" & 1/2"	-	12.32 to 25.178

Stainless Steel Drain Vessels

Stainless Steel Differential Pressure Indicators

Regulators & Filter Regulators

PTFE-Membrane Housings: 1/8" to 1/2" Line Sizes

Stainless Steel Cyclone Filter Housings

Aluminium Filter Housings: 1/8" to 1/2" Line Sizes

Housing Advantages

Why Classic Filters?

Our high-quality filter housings and elements enable the effective and efficient removal of contaminants from both gas and liquid applications. From coalescing to particulate filtration, we ensure that, for whatever purpose our filters are used, they perform to unrivalled standards.

Filter Element Selection

A huge range of filter element types and grades give increased flexibility,

Our filter housings and elements are available in a wide variety of materials, delivering you a robust, tailor-built filtration solution to suit your particular requirements. Materials include:

- **316L Stainless Steel**
- **Nylon**
- **Hastelloy**
- **Brass**
- **Aluminium**
- **Polypropylene**
- **Monel**
- **Duplex**
- **PTFE**
- **PVDF**
- **Titanium**
- **Inconel**

Special or Custom Products

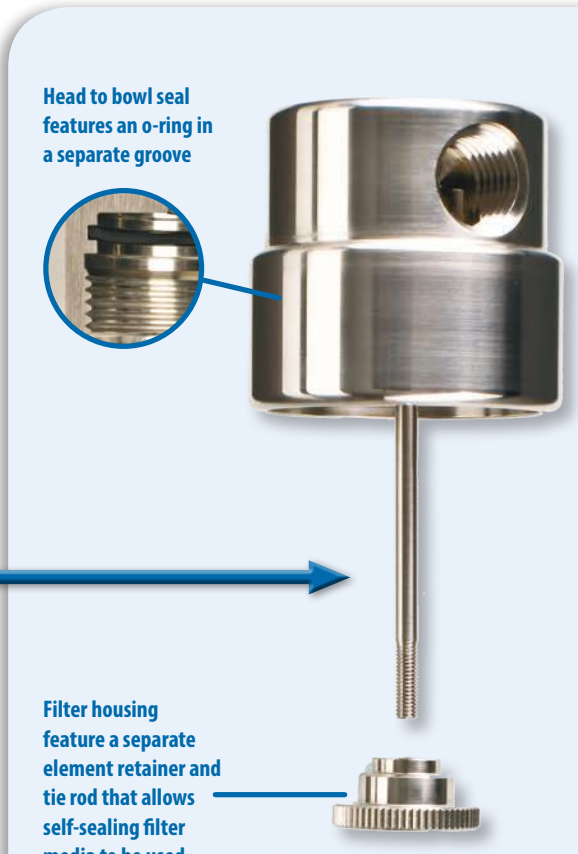
Need an unconventional or bespoke filter element and housing?

No problem.

Our skilled designers and engineers will work alongside you to build a custom-made solution that suits your particular filtration requirements and specifications. Get in touch today for a no obligation consultation on how we can meet your needs.

Special Materials With a plethora of materials, from the most exotic metals through to standard aluminium and ordinary nylon, we can design and manufacture the most suitable filter housings and elements to suit you and your company's needs. We specialise in exotic materials such as, Hastelloy, Monel, and Titanium.

Special Ports Threaded ports and flange connections can be manufactured to specification, ensuring you receive a filter that fits seamlessly with your existing instruments and machinery.



Particulate & Coalescing Filtration

Types of Filtration

Our high-quality filter housings and elements enable the effective and efficient removal of contaminants from both gas and liquid applications. From coalescing to particulate filtration, we ensure that, for whatever purpose our filters are used, they perform to unrivalled standards.

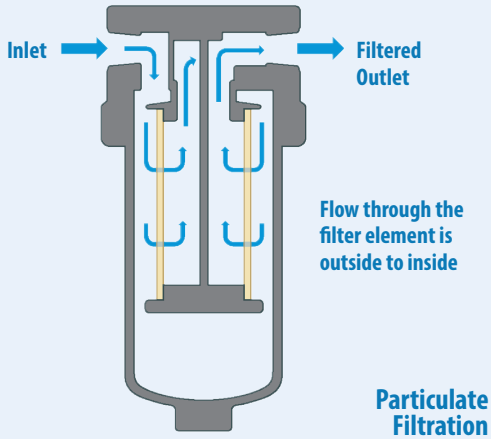
Particulate Filtration

If particulate filtration is what you need, we offer a huge selection of robust, effective solutions to meet - and in some cases exceed - your requirements.

The service life of our high-efficiency filter elements are maximised thanks to superior design and engineering, so you can be sure of the most cost-effective, durable solution to your filtration needs.

Essentially, particulates are removed from gas and liquids using a two-port filter housing and particulate-type filter element specifically designed for this purpose.

Support cores should be used with a disposable filter element in liquid filtration applications.



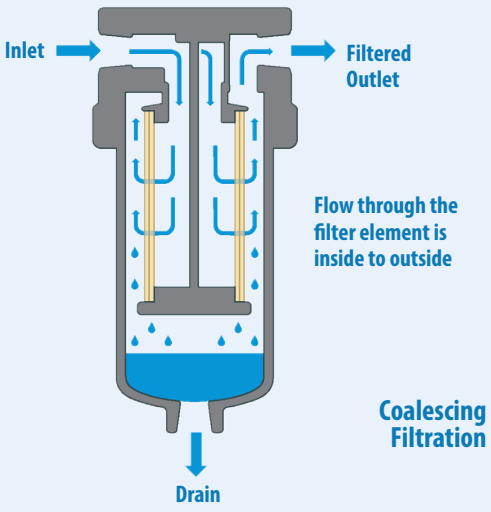
Coalescing Filtration

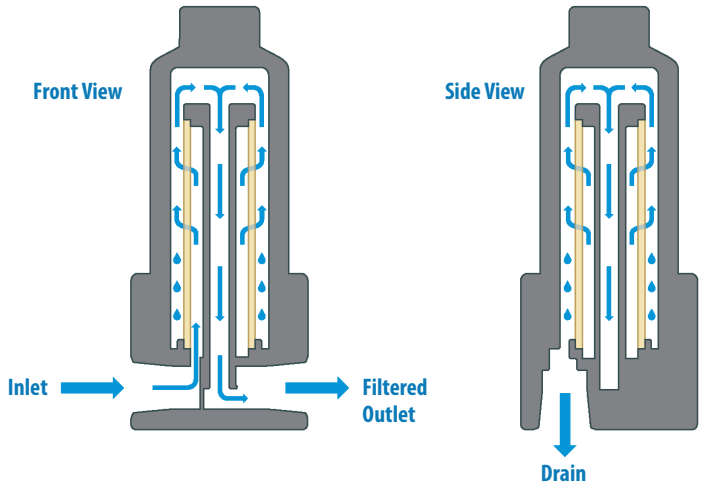
Processes and systems that require the separation of liquid aerosols and droplets from gas need a coalescing filter.

This type of filter element essentially comprises of two parts, an inner and an outer layer. The inner layer consists of a high-efficiency coalescing stage whilst the outer layer is a courser stage used for drainage.

Any liquid aerosols or droplets are caught within the fine fibres of the inner layer, eventually accumulating to the extent that they are forced to the outer layer of the filter element and in to the 'bowl' of the housing.

Our SV series coalescing housings offer a super-efficient filtration solution with the benefit of an inverted position of the housing ensuring easy servicing without disconnecting the drain port fittings.





Coalescing filters can be seen as multifunctional filtration solutions thanks to their ability to filter particulates just as efficiently as they coalesce aerosols and droplets. Meaning, if you have an application that requires both types of filtration, a coalescing filter is ideal.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Stainless Steel Filter Housings

With the widest selection of stainless steel filter housings available, Classic Filters is almost certain to have the housing that meets your particular needs. If not, we'll build you one from scratch.

As well as our standard filter housings, we also offer custom-made filter housings in plastic to suit your OEM or special application. While we traditionally supply the instrumentation and analyser sample system markets, our filters can be used is a huge range of industries and applications

Constructed entirely from 316L stainless steel, all our stock stainless steel filter housings are free of welds to comply with NACE MR-01-75. Each filter housing has a serial number to offer complete traceability of the material right back to the mill. Material certificates to EN 10204-3.1 can be supplied with the filter housing.

Filter housings can also be supplied with Pyrex glass bowls for visual monitoring of the filter element. These are suitable for applications up to 7 bar.

High Pressure to 1400 bar

With ports from 1/8" to 1" NPT and pressure ratings from 7 to 1050 bar available from stock, our filter housings can be used in a wide range of environments and situations. Housings are available up to 1400 bar. They can also be used under vacuum.

CE Marks and the Pressure Equipment Directive

All our filter housings comply with the requirements of the Pressure Equipment Directive (97/23/EC) and have CE marks if required. Non CE marked housings conform to SEP requirements. We can even produce a one-off special with CE marks.

Exotic Materials

Need something more exotic than 316L stainless steel? No matter how exotic your requirements, Classic Filters can supply materials to match. We can produce housings in a range of materials including Titanium, Hastelloy, Monel and Inconel. Just let us know your requirements.

Filter Housing Options

A range of filter housing options can be supplied, including various seal types, as well as special port configurations, extra ports, special lengths and other design features.

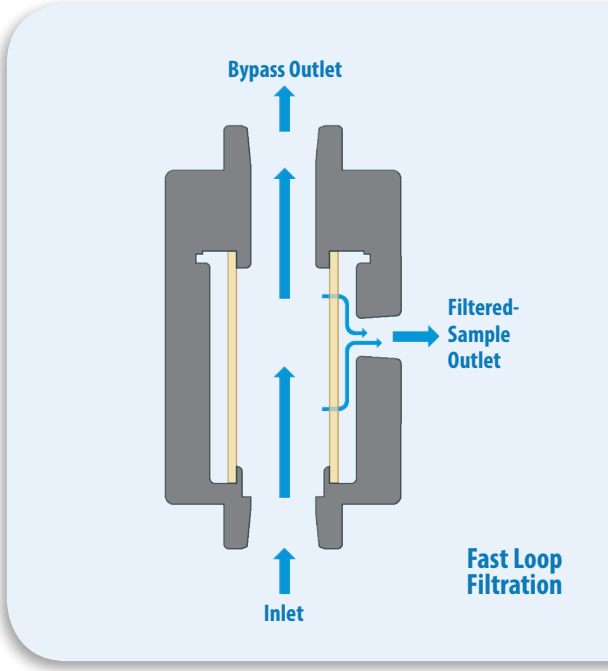
Fast Loop Filters

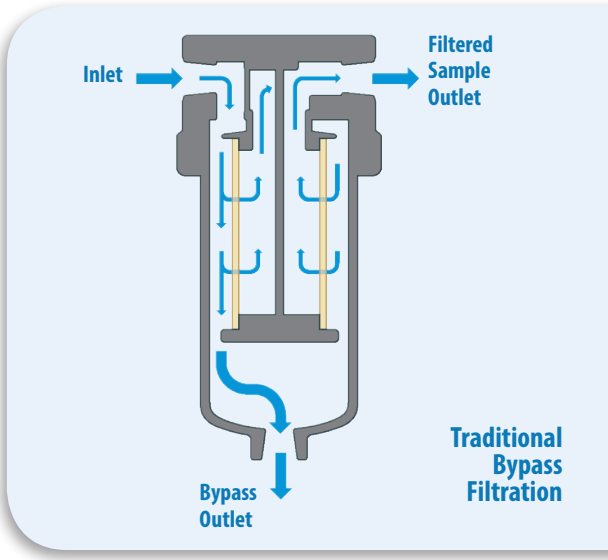
Fast loop filters are ideally suited to heavily contaminated applications since the element is thoroughly and continuously flushed by the high flow-rate stream through the housing.

Again, the cost-effectiveness and service-life of your filter element are our main concern, ensuring only the low-flow stream to the analyser is being filtered.

Traditional Bypass Filtration

Our fast-loop filtration solutions go against the grain of the traditional three-port T-shape filter design, bringing with it the advantages of continued flushing on the filter element to remove heavy contaminants downstream. A reduced housing volume improves the response time.





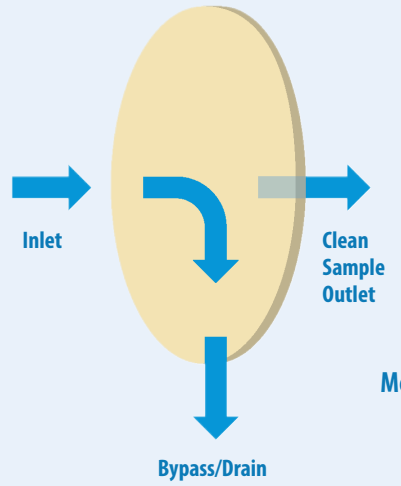
If you still want to use the traditional style of housing in your system - no problem, our T-shaped housings can still be used.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

PTFE-Membrane Housings

One of our most innovative filtration solutions available, PTFE membranes are perfectly suited for separating liquid from gas molecules, allowing for a pure gas sample to be produced for the protection of analysers and other instruments. We can also separate two liquid phases if required.

A porous PTFE membrane is supported by a sintered, porous stainless steel disc on the outlet side.



The effective combination of carefully manufactured components prevents 100% of liquid molecules from flowing through the membrane; allowing only molecules of gas to pass. Any liquid removed flows through to the drain port. This port can also be used as a bypass function for the main flow.

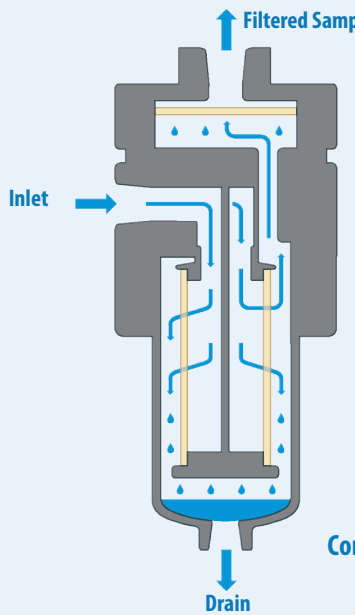
A range of membranes designed to separate two liquid phases are also available as well as an hydrophobic/oleophobic membrane to remove water and oils from a gas stream.

Combination Housing with Filter Element and Membrane

When used in conjunction with a filter element, the service-life of the PTFE membrane can be extended significantly, allowing the filter element to remove the bulk of the liquid before it reaches the membrane.

Just ask us about 'combination filters' when you get in touch.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.



PTFE-Membrane Housing Options

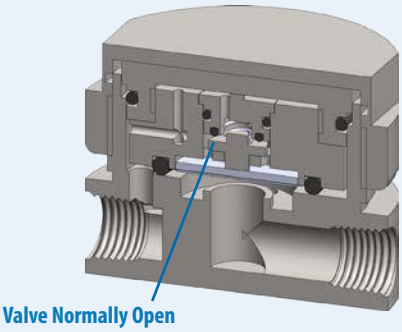
Liquid Block

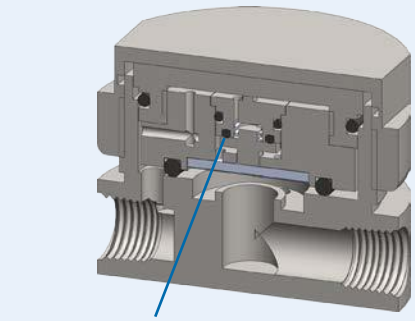
This option will stop the flow of the gas sample through the PTFE is the differential pressure becomes too high.

If the PTFE membrane becomes flooded the increase in pressure drop can cause liquid to be forced through the membrane.

The valve in the housing plug will automatically close when a high differential pressure occurs a and shut off the flow.

Ordering information
To order a membrane housing with this option , simply add the suffix .LB to the housing designation; so for example SM106.221.LB





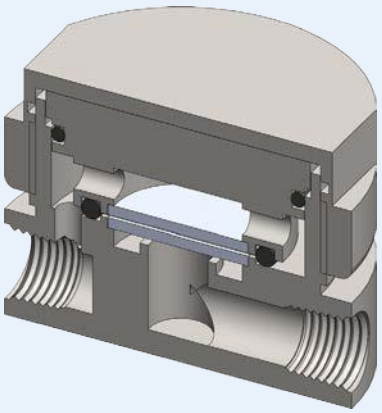
Liquid Block
Valve in Action

Twin Support Discs

On standard membrane housings the PTFE membrane is supported by a sintered, porous stainless steel disc on the outlet side. The Twin Disc option adds another sintered support disc to the front face of the PTFE membrane.

If the flow is reversed during normal operation there is a chance that the PTFE membrane can be damaged. The second support disc on the front face of the membrane will keep it in place and prevent any damage

Ordering information
To order a membrane housing with this option , simply add the suffix .TD to the housing designation; so for example SM106.221.TD



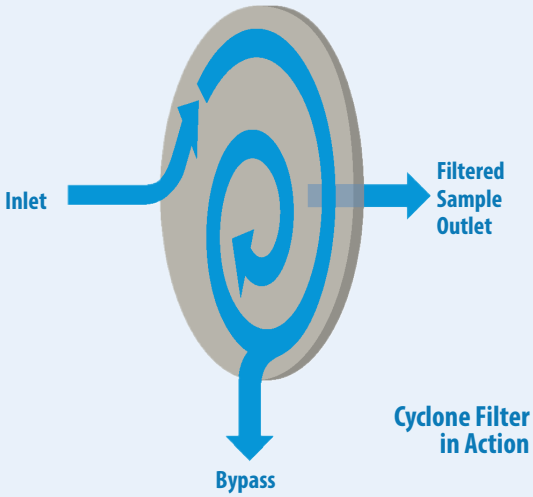
Twin Support
Disc Option

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Cyclone Filter Housings

Our cyclone filter housings are one of the most innovative, low-maintenance solutions for liquid bypass filtration.

The contaminated sample initially enters an angled inlet port, creating a cyclone effect in which the contaminants are filtered via a filter disc. Any particulates are blocked by the filter disc and carried to the bypass port at the bottom of the housing. The clean sample is allowed to pass through the sintered stainless steel filter disc to the sample outlet port.



Cyclone Filter in Action

Due to this cyclone effect, the filter disc is kept clean for a long period of time, extending the period required between service intervals when compared to standard filters.

Even when a service is due, the procedure is incredibly quick thanks to the 'threaded cap' design of the housing, allowing for easy access to, and replacement of, the filter disc.

Stainless Steel Filter Discs

Our stainless steel filter discs are ultra-durable solutions to particulate filtration, especially in liquid applications. Several layers of 316 mesh are sintered together to form an integrated porous filter, with coarse mesh providing support and protection to the finer, central mesh.

Filter discs are stocked in grades, 2, 5, 10, 20, 40, 100, and 200 micron.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Catchpot & Bubbler Applications

Catchpots

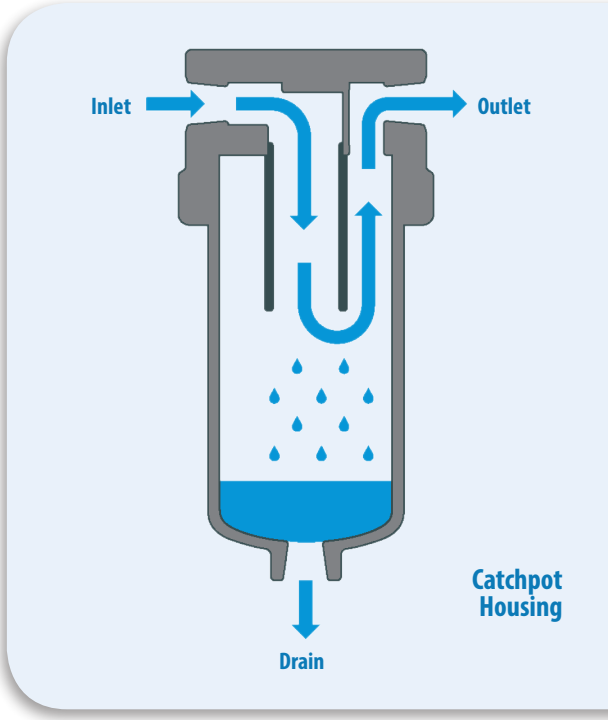
This clever accessory is ideal for highly contaminated applications, allowing you to overcome the common problem of flooding within your coalescing filter elements if large slugs of liquid are present.

Catch pots essentially 'catch' the bulk of the liquid contaminant before it reaches the filter, hence the name 'catchpot'.

We can modify any of our existing selection of filter housing to accommodate a catchpot tube, or we can build a completely unique catchpot from scratch.

Whatever your requirements, we can deliver.

Ordering information
To order a catch pot on one of our existing housing designs, simply add the suffix .CP to the housing designation; so for example SS127.221.CP or AA213.461.CP

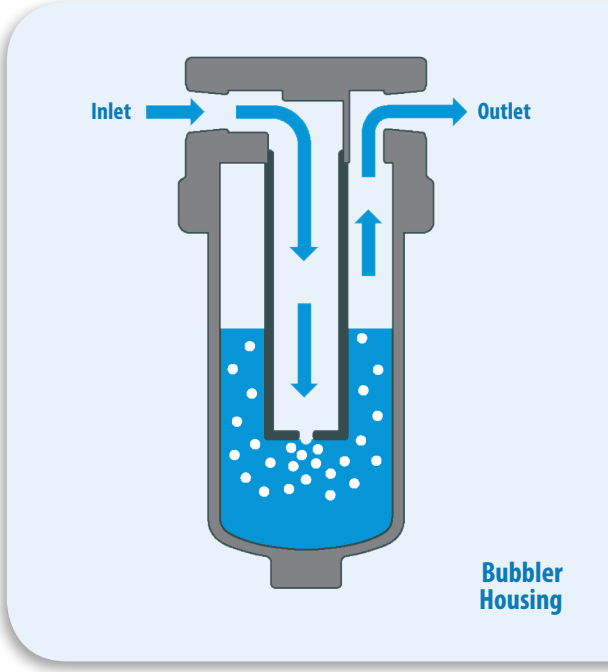


Bubblers

Bubblers are another accessory that we offer on our existing housing range and also within custom-built filtration solutions.

These appropriately named, innovative pieces of equipment allow gas to pass through liquid. A typical example would be to maintain a relative humidity in a sample through added liquid in vapour form.

Ordering information
To order a bubbler on one of our existing housing designs, simply add the suffix .BB to the housing designation; so for example SS127.201.BB or AA213.461.BB



As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

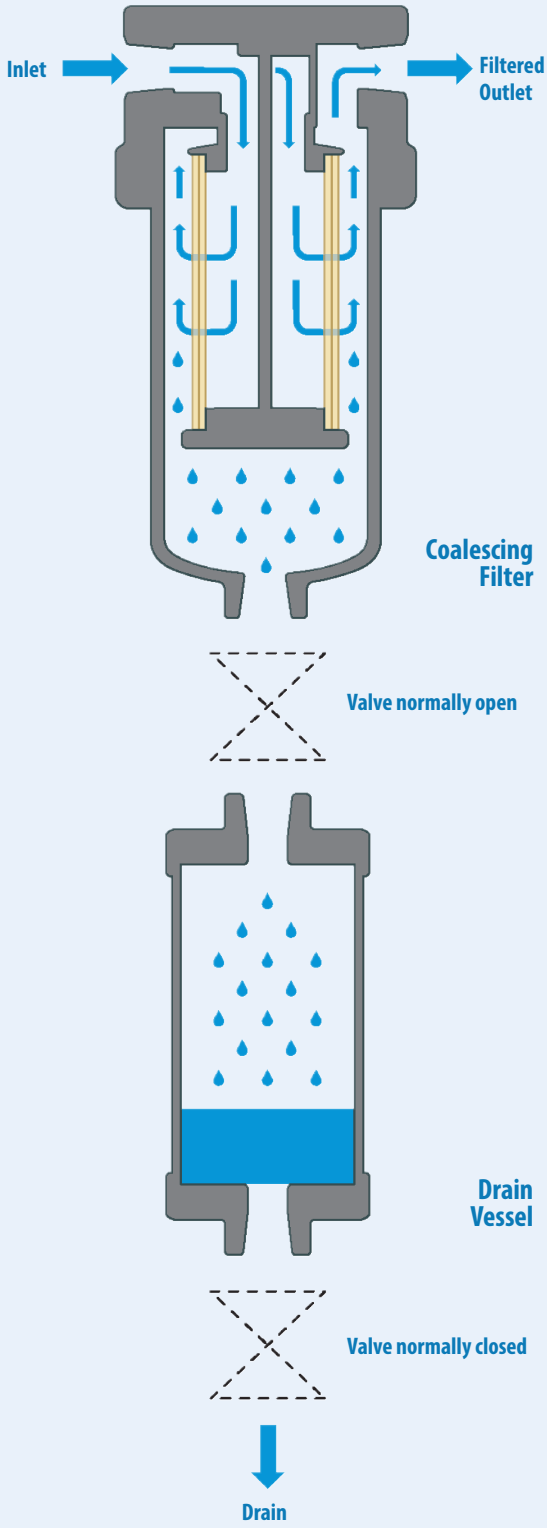
Drain Vessels

Low or negative pressure gas sample systems can be problematic when it comes to removing the coalesced liquids from the 'bowl' of the housing. Dismantlement of a filter housing, in this situation, would lead to a temporary lack of pressure in the system.

That's why we offer a purpose-built drain vessel installation to suit most of our existing range of filter housings.

These carefully designed vessels allow for the isolation of liquid contaminants, whilst avoiding any negative impact on system.

Drain vessels can also be used in other applications in order to expand the volume of waste liquid that filter housings can hold, thus extending the requisite time between service intervals.



Facing the same problem with a high-pressure application?

We can manufacture drain vessels for this purpose too; get in touch for a no-obligation chat.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Automatic Float Drains

To remove liquids automatically from a system with a positive pressure we have two solutions -

The DF105 series automatic float drain uses a unique diaphragm operated valve and is constructed entirely from 316L stainless steel for use in corrosive applications.

Water drains form the coalescing housing into the drain body and as the water level increases a float controls the diaphragm operation of the valve. Once the water is drained the float returns to the rest position and the valve closes.

DN103 and DF105 Automatic Float Drains

For lower pressure non-corrosive applications the DN103 series automatic float drain uses a self-contained plastic float mechanism to remove water in a similar way to the DF105 series.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

SBF Flanged Housings

The SBF flanged housings are designed to be weld-free. The heads are machined from solid stainless steel bar.

By removing the welding process the costly additional documentation, approvals and testing for CE marking are eliminated.

Various flange types and pressure rating are offered as standard. Sizes from 1/2" up to 2" can be produced.

SBF Series Housing

Several flange types and sizes are available as standard designs and are based on our SS series housings

Special Designs

Need an unconventional or bespoke housing?

No problem.

Our skilled designers and engineers will work alongside you to build a custom-made solution that suits your needs.

Just let us know what you need.

Flange Types Available Include -

- ASME/ANSI B16.5 - 1996 - Pipe Flanges and Flanged Fittings
- British Standard BS 4504 - Section 3.1:1989 - Circular Flanges for Pipes, Valves and Fittings
- SAE J 518 C - SAE Flanges Standard

Heatable Housings

These housings are specifically engineered for hot gas analysis, in particular, diesel exhaust – this gas has an especially high dew-point, so to prevent condensation during analysis the sample must be heated.

In essence then, these housings offer the same level of quality as all our stainless steel housing, but with the added benefits of a housing designed for a specific application.

Filter elements used heatable housings can be replaced quickly and easily (even at operating temperatures) thanks to a quick-release bayonet connection, thus minimising disruption to your analysis and operations.

Optional configurations of the ports and internals include a support core or a tie rod and element retainer.

Disposable, S-type filter elements are perfect for heated applications when used in tandem with Heatable Housings

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Heatable housings available in a wide range of sizes

Several port and internal options are available and housings have threaded mounting bracket holes as standard

Quick-release bayonet connection for the head to bowl

Aluminium Filter Housings

If you use compressed air for instrument or industrial applications, efficiency and flow-rate are of paramount importance. Aluminium filter housings for particulate and coalescing filter applications

Classic Filters' high-efficiency aluminium filter housings are purpose built for compressed air applications in mind. With a wide selection of port sizes and pressure ratings available, we will provide a high efficiency filtration solution to suit your application requirements.

Special Filter Housings and OEM Applications

Does your application have special filter requirements? As well as our standard housings we also offer bespoke filter housings manufactured in plastic to suit your OEM product or special application. Contact our team with your requirements today.

High Pressure to 250 bar

With ports ranging from 1/8" to 2" NPT and pressure ratings from 7 to 35 bar available from stock, our filter housings can be used in a wide range of environments and situations. Of course if you need very high pressures we have make aluminium filter hosuings up to 250 bar and our stainless steel filter housings are also available.

Catchpot Housings

If there is a high chance of bulk liquid flowing through the line with the compressed air to the coalescing filter it is good practice to use a catchpot before the coalescing filter to increase the performance and prevent the filter element from flooding.

Filter Housing Options

A range of filter housing options can be supplied with a variety of seal types and other options to suit your needs.

Aluminium housings available in a wide range of sizes

Special Designs?

Need an unconventional or bespoke housing?

No problem.

Let our skilled designers & engineers take care of every aspect including:

- **Port Sizes**
- **OEM Lableing**
- **Differential Pressure Indicators**
- **Automatic/Manual Drains**
- **Sealing Types**

Plastic Filter Housings

Available in Nylon, Polypropylene, PTFE or PVDF, Classic Filters offer a range of low-cost plastic filter housing solutions that deliver high-performance corrosion resistance.

Materials: PA, PP, PTFE and PVDF

PTFE filter housings are machined from solid PTFE bar and have a 316L stanless steel collar on the outside of the head to increase the strength of the head to bowl connection. When the PTFE filter housings are used with our PTFE filter elements a 100% PTFE filter solution is available. Other plastic filter housings are moulded in quality, high-performance materials

Our plastic filter housings are ideal for emissions and environmental filter applications as well as other OEM filter applications requiring a low-cost solution. They can be used for both particulate and coalescing applications. They can be supplied as catchpots and bubbler housings. They can also be fitted with adsorber cartridges.

Port sizes from 1/8" up to 1/2" help to offer great flexibility from this range of products and the can be supplied with or without drain ports.

NN1221 Double Element Filter Housing

NNS241.211 Filter Housing

Special Filter Housings and OEM Applications

Does your application have special filter requirements? In addition to standard filter housings, Classic Filters offers custom-made filter housings based on our proven NL, NT and NNS housings that are ideal for OEM or special applications.

Let us know what you need.

Float Valve Housing

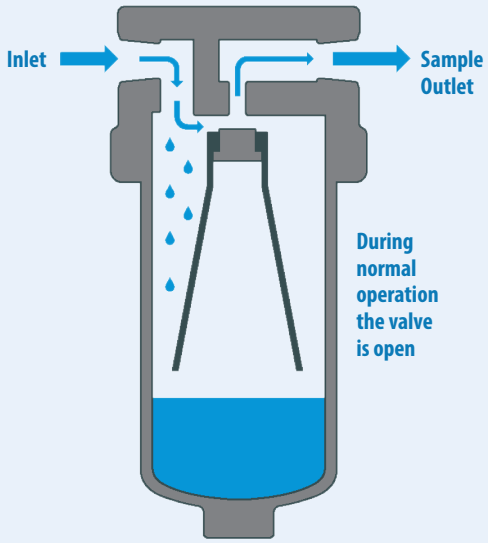
Float valve housings are an essential filtration tool when gas is being drawn to an analyser or other instrument, preventing the carry-over of bulk liquids. Normally these are used after coalescing filter housing as a safety device.

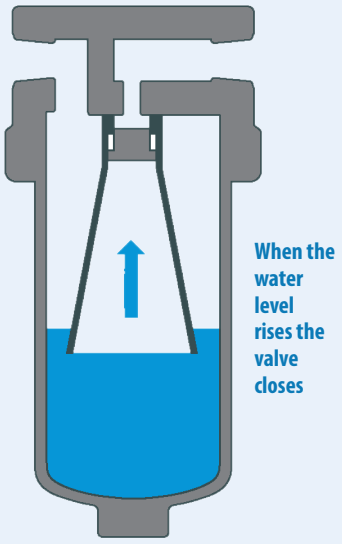
How they work:

As liquid is collected in the bowl the level start to rise, gas becomes trapped in the open-end of the float and it too starts to rise.

The entire float assembly then begins to move upwards and eventually closes the valve and shuts off the flow to the analyser. This loss of flow is then detected and an alarm is sounded.

Without the float valve the flow remain open to the analyser, substantial damage could be caused through the transmission of liquid into the analyser. Float valve housings can therefore protect you from costly repairs.





Ordering information

Two sizes of plastiic housing can be supplied: The small NN122 or the larger capacity NN212.

To order this type of housing, simply add the suffix .F to the housing part number; so for example NN122.161.F or NN212.261.F

A small 316L stainless steel houing using a PVDF float is also available, the SS125.F series, and as well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need

Differential Pressure Indicators

These housings are specifically engineered to offer an indication of the differential pressure across the filter element. They offer a cost effective method of monitoring the service life and prevent costly failures due to lack of maintenance.

The SiS series housings feature a visual indication. A plunger sealed by an o-ring separates an area of the head into two chambers. A spring causes the plunger to take up its home position when the pressure difference is zero.

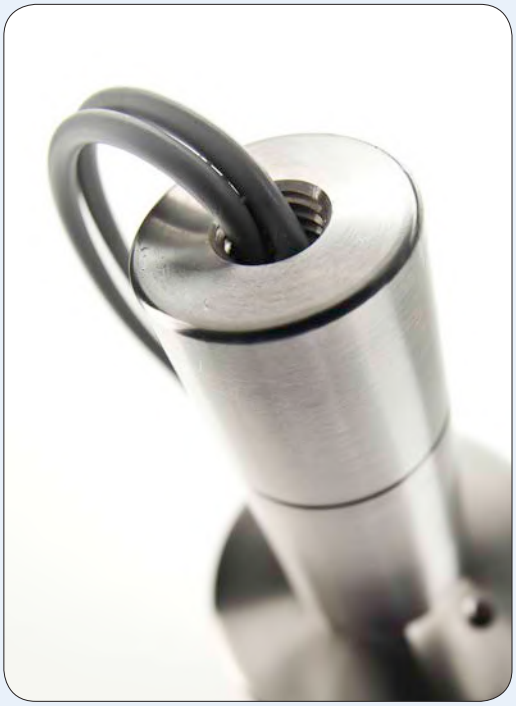
As the pressure difference increases the plunger is forced to move against the spring. At the same time, an indicator disc is moved magnetically. The indicator will show yellow when the differential pressure is 0.25 bar and red when it reaches 0.5 Bar.

The SeS series housings use the same mechanical system as the SiS, except the two reed contact switches are actuated.

As well as our standard housings we offer a service to create custom housings to suit your application.

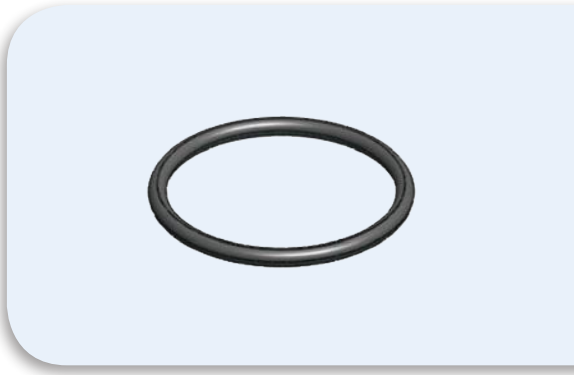
Just let us know what you need.

The SiS series housings feature a visual indicator



The SeS series housings offer electrical control

Sealing Options



Filter housings are mostly fitted with Viton o-ring style seals as standard. We have a number of sealing options that can be specified and the housings delivered with the seals installed.

For alternative seals a suffix is added to the filter housing part number, for example if you require a SS127.221 filter housing with an EPDM seal add .E to give SS127.221.E - if a standard seal is required do not add the suffix

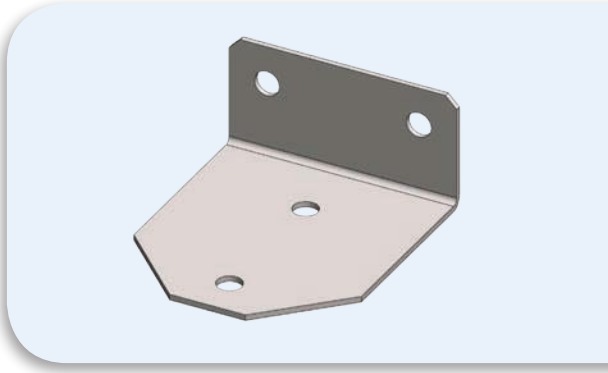
Refer to the filter housing data sheets for information about the seals types available for each housing.

Please consult us for any special requirements.

Types of Seals

Suffix	Name	Type	Temp. Range
.V	Viton	Flourocarbon	- 15ºC to +200 ºC
.C	Chemraz	Perfluorelastomer	- 18ºC to +324ºC
.T	PTFE	FEP Encapsulated or Solid PTFE	- 60ºC to +200 ºC
.K	Kalrez	Perfluorelastomer	- 50ºC to +316ºC
.S	Silicone	Silicone	- 60ºC to +230ºC
.R	Neoprene	Chloroprene-Neoprene	- 45ºC to +100ºC
.E	EPDM	Ethylene-propylene	- 55ºC to +150ºC
.N	Nitrile	Buna N-Nitrile	- 35ºC to +110ºC

Mounting Brackets

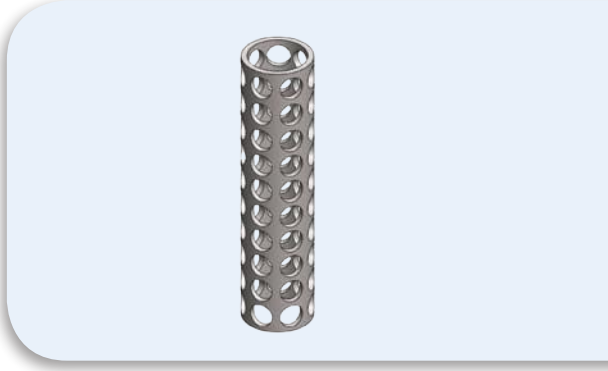


Mounting brackets can be supplied for all filter housings making the installation process quicker and easier. All our mounting brackets are supplied with screws and washers to join them to the housing so only fixings for the panel or wall are required.

Use of a mounting bracket will avoid excessive loads on the fittings and piping.

All mounting brackets are constructed in stainless steel giving superior corrosion resistance in wet areas.

Support Cores



When using disposable filter elements in a liquid application a support core should be used to increase the strength of the filter elements.

Plastic and aluminium housings have a built in support, but stainless steel housings will need to use the optional extra support.

The SC series support cores are constructed from 316L stainless steel.

Selecting the Correct Filter Housing

How to select the Correct Filter Housing -

The wide range of filter housing and element combinations enable us to supply the most suitable equipment for your application and specifications.

To select the correct filter housing and element the following information about the application is required -

1	Maximum pressure
2	Maximum temperature
3	Chemical & physical composition of the sample
4	Type of duty - inlet, particulate, coalescing, bypass, membrane
5	Contaminant to be removed
6	Maximum flow rate
7	Line size and port type
8	Level of filtration required
9	Relative importance of cost, response time, service life and interval

Items 1, 2 and 3 will determine the materials of construction of the filter housing, including the element and seals. Filter housings are available in a wide variety of materials to ensure there is a product for even the most specialised applications. As well as our range of standard materials a wide range of exotic materials are also available.

Item 4 will determine the configuration of the housing, one port for inlet filters, two ports for in-line housings and three ports for coalescing, bypass or fast loop housings.

Items 5, 6, 7, 8 and 9 will establish the most appropriate size of filter. This is generally a compromise between those factors favouring a small filter (fast response time, smallest space requirement, lowest cost, minimised adsorption losses) and those factors favouring a large filter (long service intervals, low pressure drop). The exact choice will therefore depend on the relative importance of these factors in each particular application.

Additional Assistance

Our representatives have a vast experience of specifying successful installations and we will be pleased to help you select the best solution for your filtration problem.

We also have an Applications Form available for you to complete and return and this will ensure we have all the information required to make a selection for your individual application.

Service Intervals

A disposable microfibre filter element continues to filter at its original efficiency as long as it is kept in service. The life of the element is determined by the increase in flow resistance caused by trapped solids. The element should be changed when the flow falls below an acceptable level, or the pressure drop becomes too high. In any case the element should be replaced before the pressure drop across it reaches 0.7 Bar. The disposable microfibre filter elements cannot be cleaned as the solids are trapped within the depth of the element not on the surface.

Installing the Filter Housing

Given that filter housing is a pressure vessel, any connections and accessory outlets must be leak-tight.

Therefore, a good pipe sealant (PTFE tape, paste etc.) should be used on all fittings prior to connecting the filter housing ports. This will also allow for disassembly at a later time, if required.

Wherever possible, installation of filter housings should be made using an appropriate mounting bracket to avoid excessive loads on the piping.

Full installation instructions are included with each filter housing.

Disposable Filter Elements

Disposable bonded microfibre filter elements are manufactured from precise mixtures of borosilicate glass microfibres to the very highest standards of quality control. These elements offer exceptional filtration efficiency at very low pressure drops and being +90% void volume they give a very long service life.

The elements are bonded to impart high strength and eliminate fibre shedding and the choice between the different binders available will depend on each application. Disposable elements are self-sealing and sealed into a filter housing by axial compression.

Glass Microfibres

Particulate Filter Element

Coalescing Filter Element

Coalescing or Particulate Applications

There are two types of filter element available, particulate and coalescing. The particulate filter elements use a single layer of filter media whereas coalescing elements have a fine capture layer and a coarse drainage layer.

The coarsest grade that will adequately protect the application should be chosen as this will result in the most economical solution to the contamination problem by extending the service life. Disposable bonded microfibre filter elements are suitable for both gas and liquid applications.

Binder Types	
Particulate Applications	
E	Epoxy ester binder suitable for all general purpose particulate removal applications in non-corrosive gases and liquids
K	PVDF binder has an excellent chemical resistance for use with corrosive gases and liquids. Very low levels of adsorption.
S	Silica binder giving a completely inorganic filter element. For high temperatures and solvent applications.
L	Silicone binder is hydrophobic and prevents the pores being filled with condensate. The maximum temperature is 200ºC
Coalescing Applications	
CE	Epoxy ester binder suitable for all general purpose aerosol and particulate removal applications in non-corrosive gases
CK	PVDF binder has an excellent chemical resistance for use with corrosive gases. Very low levels of adsorption
CR	PVDF binder as above with the addition of a reinforcing mesh embedded within the structure
CS	Silica binder giving a completely inorganic filter element. For high temperatures and solvent applications.
W	Silicone binder is hydrophobic and prevents the pores being filled with condensate. The maximum temperature is 200ºC

All disposable filter elements have a part number arranged in three sections, for example 25.64.7K

The first part refers to the inside diameter of the element in millimetres, the second figure refers to the overall length in millimetres and the third part is the designation for the grade and binder.

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

12.32.☐ 12.57.☐ 25.64.☐ 25.127.☐ 25.178.☐ 38.58.☐ 38.152.☐ 45.127.☐ 51.230.☐ 51.89.☐ 51.476.☐ 63.762.☐

Replace the ☐ in the part numbers shown with the grade selected from the tables below. More information about the binder types can be found on page CF/2.0/021.

Efficiency

Each filter element type is available in a selection of grades covering a efficiency range from coarse bulk contamination removal and the essentially complete removal of submicron particles.

The standard grades are shown in the tables below.

Particulate Applications - Gas								
% Removal of 0.1 micron particles								
Binder		**Max. Temp.**	**+99.99998%**	**+99.9999%**	**+99.99%**	**+99.5%**	**+95%**	**+75%**
E	Epoxy Ester	150ºC	**3E**	**4E**	**5E**	**6E**	**7E**	**8E**
K	PVDF Flourocarbon	150ºC	**3K**	**4K**	**5K**	**6K**	**7K**	**8K**
S	Silica Inorganic	500ºC	**3S**	**4S**	**5S**	**6S**	**7S**	**8S**
L	Silicone	200ºC		**4L**		**6L**		

Coalescing Applications - Gas						
% Removal of 0.1 micron particles & aerosols						
Binder		**Max. Temp.**	**+99.99%**	**+99.5%**	**+95%**	**+75%**
CE	Epoxy Ester	150ºC	**5CE**	**6CE**	**7CE**	**8CE**
CK	PVDF Flourocarbon	150ºC	**5CK**	**6CK**	**7CK**	**8CK**
CR	PVDF Flourocarbon	150ºC	**5CR**	**6CR**	**7CR**	**8CR**
CS	Silica Inorganic	500ºC	**5CS**	**6CS**	**7CS**	**8CS**
W	Silicone	200ºC	**5W**	**6W**	**7W**	**8W**

Particulate Applications - Liquid								
+98% Removal of particles at stated size								
Binder		**Max. Temp.**	**0.3 µm**	**1 µm**	**2 µm**	**8 µm**	**25 µm**	**75 µm**
E	Epoxy Ester	150ºC	**3E**	**4E**	**5E**	**6E**	**7E**	**8E**
K	PVDF Flourocarbon	150ºC	**3K**	**4K**	**5K**	**6K**	**7K**	**8K**
S	Silica Inorganic	500ºC	**3S**	**4S**	**5S**	**6S**	**7S**	**8S**

Special Sizes

Special size filter elements can also be manufactured in a wide range of different diameters and lengths.

Inside Diameters: **7mm to 150mm**

Lengths: **9mm to 1000mm**

Please enquire with any specific requirements.

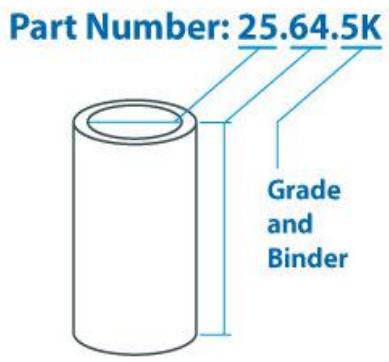
Disposable Filter Eelement Dimensions & Tolerances

Filter elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the element to be installed in other proprietary equipment.

This chart shows you a list of all our standard disposable filter elements, particulate and coalescing, along with their actual sizes in millimetres and the standard tolerances we use in manufacturing.

Particulate Types						
Element Code	Inside Ø	Tolerance	Outside Ø	Tolerance	Length	Tolerance
10.32.☐	10.0	±0.25	14.0	±0.50	32.0	±0.25
10.57.☐	10.0	±0.25	14.0	±0.50	57.0	±0.25
12.20.☐	12.5	±0.25	17.0	±0.50	20.0	±0.25
12.25.☐	12.5	±0.25	17.0	±0.50	25.4	±0.25
12.32.☐	12.5	±0.25	17.0	±0.50	32.0	±0.25
12.57.☐	12.5	±0.25	17.0	±0.50	57.0	±0.25
16.32.☐	16.0	±0.25	22.0	±0.50	32.0	±0.25
16.41.☐	16.0	±0.25	22.0	±0.50	41.0	±0.25
25.30.☐	25.5	±0.25	31.0	±0.50	30.0	±0.25
25.51.☐	25.5	±0.25	31.0	±0.50	51.0	±0.25
25.64.☐	25.5	±0.25	31.0	±0.50	64.0	±0.25
25.127.☐	25.5	±0.25	31.0	±0.50	127.0	±0.25
25.178.☐	25.5	±0.25	31.0	±0.50	178.0	±0.25
38.58.☐	38.5	±0.25	45.0	±0.50	58.0	±0.25
38.89.☐	38.5	±0.25	45.0	±0.50	89.0	±0.25
38.115.☐	38.5	±0.25	45.0	±0.50	115.0	±0.25
38.152.☐	38.5	±0.25	45.0	±0.50	152.0	±0.25
38.178.☐	38.5	±0.25	45.0	±0.50	178.0	±0.25
51.89.☐	51.5	±0.25	59.0	±0.50	89.0	±0.25
51.230.☐	51.5	±0.25	59.0	±0.50	230.0	±0.25
51.476.☐	51.5	±0.25	59.0	±0.50	476.0	±0.25
63.476.☐	63.5	±0.25	72.0	±0.50	476.0	±0.25
63.762.☐	63.5	±0.25	72.0	±0.50	762.0	±0.25

Coalescing Types						
Element Code	Inside Ø	Tolerance	Outside Ø	Tolerance	Length	Tolerance
10.57.☐	10.0	±0.25	18.0	±0.50	32.0	±0.25
10.57.☐	10.0	±0.25	18.0	±0.50	57.0	±0.25
12.32.☐	12.5	±0.25	19.0	±0.50	32.0	±0.25
12.57.☐	12.5	±0.25	19.0	±0.50	57.0	±0.25
25.35.☐	25.5	±0.25	35.0	±0.50	35.0	±0.25
25.64.☐	25.5	±0.25	35.0	±0.50	64.0	±0.25
27.64.☐	27.0	±0.25	39.0	±0.50	64.0	±0.25
25.127.☐	25.5	±0.25	35.0	±0.50	127.0	±0.25
25.178.☐	25.5	±0.25	35.0	±0.50	178.0	±0.25
38.58.☐	38.5	±0.25	50.0	±0.50	58.0	±0.25
38.89.☐	38.5	±0.25	50.0	±0.50	89.0	±0.25
38.115.☐	38.5	±0.25	50.0	±0.50	115.0	±0.25
38.152.☐	38.5	±0.25	50.0	±0.50	152.0	±0.25
38.178.☐	38.5	±0.25	50.0	±0.50	178.0	±0.25
51.89.☐	51.5	±0.25	63.0	±0.50	89.0	±0.25
51.230.☐	51.5	±0.25	63.0	±0.50	230.0	±0.25
51.476.☐	51.5	±0.25	63.0	±0.50	476.0	±0.25
63.476.☐	63.5	±0.25	76.0	±0.50	476.0	±0.25
63.762.☐	63.5	±0.25	76.0	±0.50	762.0	±0.25



Special Sizes

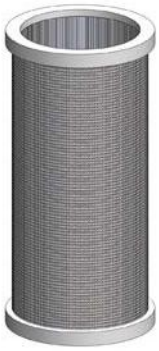
Special size filter elements can also be produced that are not included on this chart. We can manufacture in a wide range of different diameters and lengths.

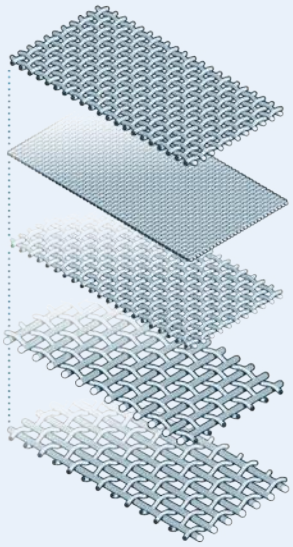
Please enquire if you have any specific requirements.

5-Layer Sintered Stainless Steel Elements

Stainless steel filter elements are made up of five layers of 316 mesh that are sintered together to form an integrated porous element. The middle mesh is of very fine gauge and determines the filtration rates, this layer is then overlaid with inner and outer layers of coarser mesh to give support and protection.

These elements are very useful in heavily contaminated applications and for use as pre-filters before disposable type final filters. Seals are required and the options are, Viton, PTFE, or copper-alloy for high temperature applications.





Five Layers of SS Mesh

The middle mesh determines the filtration rate and this is overlaid with inner and outer layers of coarser mesh to give support.

5-Layer Sintered Stainless Steel Element Grades									
Seals	**Max. T.**	**1µm**	**2µm**	**5µm**	**10µm**	**20µm**	**40µm**	**100µm**	**200µm**
Viton	200°C	**S1V**	**S2V**	**S5V**	**S10V**	**S20V**	**S40V**	**S100V**	**S200V**
Nitrile	110°C	**S1N**	**S2N**	**S5N**	**S10N**	**S20N**	**S40N**	**S100N**	**S200N**
EPDM	150°C	**S1E**	**S2E**	**S5E**	**S10E**	**S20E**	**S40E**	**S100E**	**S200E**
PTFE	200°C	**S1T**	**S2T**	**S5T**	**S10T**	**S20T**	**S40T**	**S100T**	**S200T**
Copper	480°C	**S1H**	**S2H**	**S5H**	**S10H**	**S20H**	**S40H**	**S100H**	**S200H**

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment

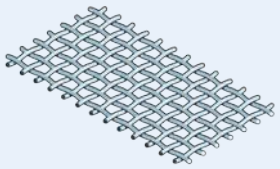
12.32.☐ 12.57.☐ 25.64.☐ 25.178.☐ 38.58.☐ 38.152.☐ 51.89.☐ 51.230.☐ 51.476.☐

Replace the ☐ in the part numbers shown with the grade selected from the tables above.

Single Layer Woven Mesh SS Elements

These stainless steel filter elements are made up of a single layer of 316 woven wire mesh. Ideal for applications where a low cost stainless steel filter alternative is required.

Due to the method of the construction these filter elements do not require any seals.



Single Layer SS Mesh

Woven Mesh Stainless Steel Element Grades									
25µm	**50µm**	**75µm**	**100µm**	**150µm**	**200µm**	**250µm**	**300µm**	**350µm**	**400µm**
SS25	**SS50**	**SS75**	**SS100**	**SS150**	**SS200**	**SS250**	**SS300**	**SS350**	**SS400**

Standard Sizes

12.32.☐ 12.57.☐ 25.64.☐ 25.178.☐ 38.152.☐

Replace the ☐ in the part numbers shown with the grade selected from the tables above.

PTFE Filter Elements

PTFE filter elements are produced by sintering pure PTFE granules, no other substances are used in the construction. These filter elements are usually offered when only 100% pure PTFE can be used. Normally it is preferable to offer a K type disposable filter element, if these are suitable, as both pressure drop and service life characteristics are superior to the PTFE filters.

The advantages of PTFE is the higher maximum temperature, up to 200°C, and a better chemical resistance to certain substances. PTFE elements can be ultrasonically cleaned.

PTFE filter elements can be supplied in 2, 20 or 40 micron.

PTFE Filter Element

PTFE Granules

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

12.32.☐ 12.57.☐ 25.64.☐ 25.178.☐ 38.58.☐ 38.152.☐ 45.127.☐ 51.89.☐ 51.230.☐ 51.476.☐

Replace the ☐ in the part numbers shown with the grade T2, T20, T40.

PE Filter Elements

These polyethylene filter elements are sintered using pure PE granules. The maximum temperature is 150°C

Ideal for applications where a low cost plastic filter element is required. Due to the method of the construction these filter elements do not require any seals.

PE elements can be supplied in 2, 10, 20, 40 or 100 micron.

PE Filter Element

PE Granules

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

12.32.☐ 12.57.☐ 25.64.☐ 25.178.☐ 38.58.☐ 38.152.☐ 45.127.☐ 51.89.☐ 51.230.☐ 51.476.☐

Replace the ☐ in the part numbers shown with the grade, PE2, PE10, PE20, PE40, PE100

Special Sizes

Both the PTFE and PE elements can be supplied with special diameters and lengths.

Let us know what you need.

Air Flow Rates
Disposable Type Filter Elements

Air flow rates in Nm^3/hr at stated line pressure with a 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the ☐ in the part number shown with the required grade, for example 12.57.7K would be a grade 7 on the charts below.

The maximum flow rate also depends on the flow path though the housing - for housings with a smaller port size please consult us for the exact figure.

12.32.☐	Air Pressure (Bar), 1/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	350	700
4	1.6	2.6	3.7	5.3	6.3	7.9	11.8	18.4	28.9	36.8	52.5
5	3.2	5.3	7.4	10.5	12.6	15.8	23.6	36.8	57.8	73.5	105.0
6	5.5	9.2	12.9	18.4	22.1	27.6	41.3	64.3	101.1	128.6	183.8
7	6.3	10.5	14.7	21.0	25.2	31.5	47.3	73.5	115.5	147.0	210.0
8	7.1	11.8	16.5	23.6	28.4	35.4	53.2	82.7	129.9	165.4	236.3

12.57.☐	Air Pressure (Bar), 1/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	350	700
4	2.6	4.3	6.0	8.5	10.2	12.8	19.1	29.8	46.8	59.5	85.0
5	5.1	8.5	11.9	17.0	20.4	25.5	38.3	59.5	93.5	119.0	170.0
6	8.9	14.9	20.8	29.8	35.7	44.6	66.9	104.1	163.6	208.3	297.5
7	10.2	17.0	23.8	34.0	40.8	51.0	76.5	119.0	187.0	238.0	340.0
8	11.5	19.1	26.8	38.3	45.9	57.4	86.1	133.9	210.4	267.8	382.5

25.64.☐	Air Pressure (Bar), 1/2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	700
4	5.6	9.3	13.0	18.5	22.2	27.8	41.6	64.8	101.8	138.8	185.0
5	11.1	18.5	25.9	37.0	44.4	55.5	83.3	129.5	203.5	277.5	370.0
6	19.4	32.4	45.3	64.8	77.7	97.1	145.7	226.6	356.1	485.6	647.5
7	22.2	37.0	51.8	74.0	88.8	111.0	166.5	259.0	407.0	555.0	740.0
8	25.0	41.6	58.3	83.3	99.9	124.9	187.3	291.4	457.9	624.4	832.5

25.178.☐	Air Pressure (Bar), 3/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	700
4	15.8	26.3	36.8	52.5	63.0	78.8	118.1	183.8	288.8	393.8	525.0
5	31.5	52.5	73.5	105.0	126.0	157.5	236.3	367.5	577.5	787.5	1050.0
6	55.1	91.9	128.6	183.8	220.5	275.6	413.4	643.1	1010.6	1378.1	1837.5
7	63.0	105.0	147.0	210.0	252.0	315.0	472.5	735.0	1155.0	1575.0	2100.0
8	70.9	118.1	165.4	236.3	283.5	354.4	531.6	826.9	1299.4	1771.9	2362.5

38.152.☐	Air Pressure (Bar), 1" Port Size									
Grade	1	2	4	7	10	16	34	100	200	400
4	20.3	33.8	47.3	67.5	81.0	101.3	151.9	236.3	371.3	506.3
5	40.5	67.5	94.5	135.0	162.0	202.5	303.8	472.5	742.5	1012.5
6	70.9	118.1	165.4	236.3	283.5	354.4	531.6	826.9	1299.4	1771.9
7	81.0	135.0	189.0	270.0	324.0	405.0	607.5	945.0	1485.0	2025.0
8	91.1	151.9	212.6	303.8	364.5	455.6	683.4	1063.1	1670.6	2278.1

51.230.☐	Air Pressure (Bar), 2" Port Size									
Grade	1	2	4	7	10	16	34	100	200	400
4	41.9	69.8	97.7	139.5	167.4	209.3	313.9	488.3	767.3	1046.3
5	83.7	139.5	195.3	279.0	334.8	418.5	627.8	976.5	1534.5	2092.5
6	146.5	244.1	341.8	488.3	585.9	732.4	1098.6	1708.9	2685.4	3661.9
7	167.4	279.0	390.6	558.0	669.6	837.0	1255.5	1953.0	3069.0	4185.0
8	188.3	313.9	439.4	627.8	753.3	941.6	1412.4	2197.1	3452.6	4708.1

51.476.☐	Air Pressure (Bar), 2" Port Size									
Grade	1	2	4	7	10	16	34	100	200	400
4	86.9	144.8	202.7	289.5	347.4	434.3	651.4	1013.3	1592.3	2171.3
5	173.7	289.5	405.3	579.0	694.8	868.5	1302.8	2026.5	3184.5	4342.5
6	304.0	506.6	709.3	1013.3	1215.9	1519.9	2279.8	3546.4	5572.9	7599.4
7	347.4	579.0	810.6	1158.0	1389.6	1737.0	2605.5	4053.0	6369.0	8685.0
8	390.8	651.4	911.9	1302.8	1563.3	1954.1	2931.2	4559.6	7165.1	9770.6

Notes (1) The above flow rates are for air at 20°C. Flow rates for other gases can be derived from relative viscosity data.
(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Air Flow Rates
Stainless Steel Filter Elements

Air flow rates in Nm^3/hr at stated line pressure with a 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the ☐ in the part number shown with the required grade, for example 12.57.S2V would be a grade S2 on the charts below.

The maximum flow rate also depends on the flow path though the housing - for housings with a smaller port size please consult us for the exact figure.

12.32.☐	Air Pressure (Bar), 1/4" Port Size										
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**350**	**700**
S1	0.5	0.8	1.1	1.5	1.8	2.3	3.4	5.3	8.3	10.5	15.0
S2	0.9	1.5	2.1	3.0	3.6	4.5	6.8	10.5	16.5	21.0	30.0
S10	2.1	3.5	4.9	7.0	8.4	10.5	15.8	24.5	38.5	49.0	70.0
S20	2.6	4.3	6.0	8.5	10.2	12.8	19.1	29.8	46.8	59.5	85.0
S40	2.8	4.7	6.5	9.4	13.2	14.0	21.0	32.7	51.4	77.0	110.0
S100	4.3	7.2	10.1	14.5	20.4	21.7	32.5	50.6	79.5	119.0	170.0
S200	5.7	9.6	13.4	19.1	27.0	28.7	43.0	66.9	105.2	157.5	225.0

12.57.☐	Air Pressure (Bar), 1/4" Port Size										
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**350**	**700**
S1	0.8	1.3	1.8	2.6	3.1	3.8	5.7	8.9	14.0	17.9	25.5
S2	1.5	2.6	3.6	5.1	6.1	7.7	11.5	17.9	28.1	35.7	51.0
S10	3.6	6.0	8.3	11.9	14.3	17.9	26.8	41.7	65.5	83.3	119.0
S20	4.3	7.2	10.1	14.5	17.3	21.7	32.5	50.6	79.5	101.2	144.5
S40	4.8	7.9	11.1	15.9	22.4	23.8	35.8	55.6	87.4	130.9	187.0
S100	7.4	12.3	17.2	24.6	34.7	36.8	55.3	86.0	135.1	202.3	289.0
S200	9.8	16.3	22.8	32.5	45.9	48.8	73.2	113.8	178.8	267.8	382.5

25.64.☐	Air Pressure (Bar), 1/2" Port Size										
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**400**	**700**
S1	1.8	2.9	4.1	5.9	7.0	8.8	13.2	20.5	32.2	43.9	58.5
S2	3.5	5.9	8.2	11.7	14.0	17.6	26.3	41.0	64.4	87.8	117.0
S10	8.2	13.7	19.1	27.3	32.8	41.0	61.4	95.6	150.2	204.8	273.0
S20	9.9	16.6	23.2	33.2	39.8	49.7	74.6	116.0	182.3	248.6	331.5
S40	10.9	18.2	25.5	36.5	51.5	54.7	82.0	127.6	200.6	321.8	429.0
S100	16.9	28.2	39.4	56.4	79.6	84.5	126.8	197.2	310.0	497.3	663.0
S200	22.4	37.3	52.2	74.6	105.3	111.9	167.8	261.1	410.2	658.1	877.5

25.178.☐	Air Pressure (Bar), 3/4" Port Size										
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**400**	**700**
S1	5.2	8.6	12.1	17.3	20.7	25.9	38.8	60.4	94.9	129.4	172.5
S2	10.4	17.3	24.2	34.5	41.4	51.8	77.6	120.8	189.8	258.8	345.0
S10	24.2	40.3	56.4	80.5	96.6	120.8	181.1	281.8	442.8	603.8	805.0
S20	29.3	48.9	68.4	97.8	117.3	146.6	219.9	342.1	537.6	733.1	977.5
S40	32.3	53.8	75.3	107.5	151.8	161.3	241.9	376.3	591.4	948.8	1265.0
S100	49.9	83.1	116.3	166.2	234.6	249.3	373.9	581.6	914.0	1466.3	1955.0
S200	66.0	110.0	154.0	219.9	310.5	329.9	494.9	769.8	1209.7	1940.6	2587.5

38.152.☐	Air Pressure (Bar), 1" Port Size									
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**400**
S1	6.8	11.3	15.8	22.5	27.0	33.8	50.6	78.8	123.8	168.8
S2	15.8	26.3	36.8	52.5	63.0	78.8	118.1	183.8	288.8	393.8
S10	31.5	52.5	73.5	105.0	126.0	157.5	236.3	367.5	577.5	787.5
S20	38.3	63.8	89.3	127.5	153.0	191.3	286.9	446.3	701.3	956.3
S40	42.1	70.1	98.2	140.3	198.0	210.4	315.6	490.9	771.4	1237.5
S100	65.0	108.4	151.7	216.8	306.0	325.1	487.7	758.6	1192.1	1912.5
S200	86.1	143.4	200.8	286.9	405.0	430.3	645.5	1004.1	1577.8	2531.3

51.230.☐	Air Pressure (Bar), 2" Port Size									
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**400**
S1	13.5	22.5	31.5	45.0	54.0	67.5	101.3	157.5	247.5	337.5
S2	27.0	45.0	63.0	90.0	108.0	135.0	202.5	315.0	495.0	675.0
S10	63.0	105.0	147.0	210.0	252.0	315.0	472.5	735.0	1155.0	1575.0
S20	76.5	127.5	178.5	255.0	306.0	382.5	573.8	892.5	1402.5	1912.5
S40	84.2	140.3	196.4	280.5	396.0	420.8	631.1	981.8	1542.8	2475.0
S100	130.1	216.8	303.5	433.5	612.0	650.3	975.4	1517.3	2384.3	3825.0
S200	172.1	286.9	401.6	573.8	810.0	860.6	1290.9	2008.1	3155.6	5062.5

51.476.☐	Air Pressure (Bar), 2" Port Size									
Grade	**1**	**2**	**4**	**7**	**10**	**16**	**34**	**100**	**200**	**400**
S1	28.4	47.3	66.2	94.5	113.4	141.8	212.6	330.8	519.8	708.8
S2	56.7	94.5	132.3	189.0	226.8	283.5	425.3	661.5	1039.5	1417.5
S10	132.3	220.5	308.7	441.0	529.2	661.5	992.3	1543.5	2425.5	3307.5
S20	160.7	267.8	374.9	535.5	642.6	803.3	1204.9	1874.3	2945.3	4016.3
S40	176.7	294.5	412.3	589.1	831.6	883.6	1325.4	2061.7	3239.8	5197.5
S100	273.1	455.2	637.2	910.4	1285.2	1365.5	2048.3	3186.2	5006.9	8032.5
S200	361.5	602.4	843.4	1204.9	1701.0	1807.3	2711.0	4217.1	6626.8	10631.3

Notes (1) The above flow rates are for air at 20ºC. Flow rates for other gases can be derived from relative viscosity data.
(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Air Flow Rates
PTFE & PE Filter Elements

Air flow rates in Nm^3/hr at stated line pressure with a 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the □ in the part number shown with the required grade, for example 12.57.T20 would be a grade T20 on the charts below.

The maximum flow rate also depends on the flow path though the housing - for housings with a smaller port size please consult us for the exact figure.

12.32.□		Air Pressure (Bar), 1/4" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	0.2	0.3	0.4	0.5	0.6	0.8	1.1	1.8	2.8	3.5	5.0
	PE10	0.5	0.8	1.1	1.5	1.8	2.3	3.4	5.3	8.3	10.5	15.0
T20	PE20	0.7	1.1	1.6	2.3	2.7	3.4	5.1	7.9	12.4	15.8	22.5
T40	PE40	1.0	1.6	2.3	3.3	3.9	4.9	7.3	11.4	17.9	22.8	32.5
	PE100	1.1	1.9	2.6	3.8	4.5	5.6	8.4	13.1	20.6	26.3	37.5

12.57.□		Air Pressure (Bar), 1/4" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	0.3	0.5	0.6	0.9	1.1	1.4	2.0	3.2	5.0	6.3	9.0
	PE10	0.8	1.4	1.9	2.7	3.2	4.1	6.1	9.5	14.9	18.9	27.0
T20	PE20	1.2	2.0	2.8	4.1	4.9	6.1	9.1	14.2	22.3	28.4	40.5
T40	PE40	1.8	2.9	4.1	5.9	7.0	8.8	13.2	20.5	32.2	41.0	58.5
	PE100	2.0	3.4	4.7	6.8	8.1	10.1	15.2	23.6	37.1	47.3	67.5

25.64.□		Air Pressure (Bar), 1/2" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	0.6	1.0	1.4	2.0	2.4	3.0	4.5	7.0	11.0	15.0	20.0
	PE10	1.8	3.0	4.2	6.0	7.2	9.0	13.5	21.0	33.0	45.0	60.0
T20	PE20	2.7	4.5	6.3	9.0	10.8	13.5	20.3	31.5	49.5	67.5	90.0
T40	PE40	3.9	6.5	9.1	13.0	15.6	19.5	29.3	45.5	71.5	97.5	130.0
	PE100	4.5	7.5	10.5	15.0	18.0	22.5	33.8	52.5	82.5	112.5	150.0

25.178.□		Air Pressure (Bar), 3/4" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	1.7	2.9	4.1	5.8	7.0	8.7	13.1	20.3	31.9	43.5	58.0
	PE10	5.2	8.7	12.2	17.4	20.9	26.1	39.2	60.9	95.7	130.5	174.0
T20	PE20	7.8	13.1	18.3	26.1	31.3	39.2	58.7	91.4	143.6	195.8	261.0
T40	PE40	11.3	18.9	26.4	37.7	45.2	56.6	84.8	132.0	207.4	282.8	377.0
	PE100	13.1	21.8	30.5	43.5	52.2	65.3	97.9	152.3	239.3	326.3	435.0

38.152.□		Air Pressure (Bar), 1" Port Size									
Grade		1	2	4	7	10	16	34	100	200	400
T2	PE2	2.3	3.8	5.3	7.5	9.0	11.3	16.9	26.3	41.3	56.3
	PE10	6.8	11.3	15.8	22.5	27.0	33.8	50.6	78.8	123.8	168.8
T20	PE20	10.1	16.9	23.6	33.8	40.5	50.6	75.9	118.1	185.6	253.1
T40	PE40	14.6	24.4	34.1	48.8	58.5	73.1	109.7	170.6	268.1	365.6
	PE100	16.9	28.1	39.4	56.3	67.5	84.4	126.6	196.9	309.4	421.9

51.230.□		Air Pressure (Bar), 2" Port Size									
Grade		1	2	4	7	10	16	34	100	200	400
T2	PE2	4.5	7.5	10.5	15.0	18.0	22.5	33.8	52.5	82.5	112.5
	PE10	13.5	22.5	31.5	45.0	54.0	67.5	101.3	157.5	247.5	337.5
T20	PE20	20.3	33.8	47.3	67.5	81.0	101.3	151.9	236.3	371.3	506.3
T40	PE40	29.3	48.8	68.3	97.5	117.0	146.3	219.4	341.3	536.3	731.3
	PE100	33.8	56.3	78.8	112.5	135.0	168.8	253.1	393.8	618.8	843.8

51.476.□		Air Pressure (Bar), 2" Port Size									
Grade		1	2	4	7	10	16	34	100	200	400
T2	PE2	9.3	15.5	21.7	31.0	37.2	46.5	69.8	108.5	170.5	232.5
	PE10	27.9	46.5	65.1	93.0	111.6	139.5	209.3	325.5	511.5	697.5
T20	PE20	27.9	69.8	97.7	139.5	167.4	209.3	313.9	488.3	767.3	1046.3
T40	PE40	60.5	100.8	141.1	201.5	241.8	302.3	453.4	705.3	1108.3	1511.3
	PE100	69.8	116.3	162.8	232.5	279.0	348.8	523.1	813.8	1278.8	1743.8

Notes (1) The above flow rates are for air at 20ºC. Flow rates for other gases can be derived from relative viscosity data.
(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Liquid flow rates in Lts/hr at 0.15 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element using the housing data sheets and then use the charts below to read the flow rate against the element grade. Replace the ☐ in the part number shown with the required grade, for example 12.57.S20V

The figures shown here are based on the viscosity of water and oil (32cSt). See note (4) for other liquids.

12.32.☐	Flow Rates in Ltrs/hr 1/8" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	3.0	7.0	16	33	66	98	131	262
Oil (32 cSt)	0.1	0.2	0.6	1.2	2.4	3.5	4.7	9.4

12.57.☐	Flow Rates in Ltrs/hr for 1/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	6	12	31	61	122	183	244	489
Oil (32 cSt)	0.2	0.4	1.1	2.2	4.4	6.6	8.8	17.5

25.64.☐	Flow Rates in Ltrs/hr for 1/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	14	29	72	144	287	481	575	720(5)
Oil (32 cSt)	0.5	1.0	2.6	5.2	10.3	15.5	20.6	25.8(5)

25.178.☐	Flow Rates in Ltrs/hr for 1/2" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	41	82	206	412	825	1080(5)	1080(5)	1080(5)
Oil (32 cSt)	1.5	3.0	7.4	14.8	29.6	38.7(5)	38.7(5)	38.7(5)

38.152.☐	Flow Rates in Ltrs/hr for 3/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	53	107	267	534	1067	1601	2135	4269
Oil (32 cSt)	1.9	3.8	9.6	16.1	38.2	57.4	76.5	153.0

51.230.☐	Flow Rates in Ltrs/hr for 1" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	109	218	546	1091	2182	3273	4364	6840(5)
Oil (32 cSt)	3.9	7.8	19.6	39.1	78.2	117.3	156.4	245.1(5)

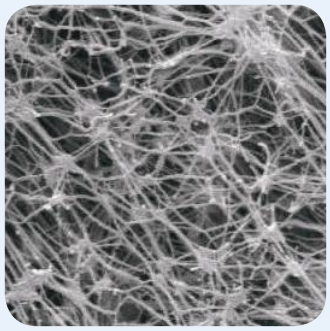
51.476.☐	Flow Rates in Ltrs/hr for 2" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	227	455	1137	2274	4547	6821	9094	18188
Oil (32 cSt)	8.1	16.3	40.7	81.5	163.0	224.4	325.9	651.8

Notes (1) The above flow rates are for water ans oil at 20ºC. Flow rates for other liquids can be derived from relative viscosity data.
(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.
(3) Flow rates are generally inversely proportional to liquid viscosity.
(4) Water = 1 centipoise, for higher viscosity liquids divide the flow rates by the actual viscosity in centipoise.
(5) Flow rate limited by the port dimensions. Please contact us to discuss larger port options..

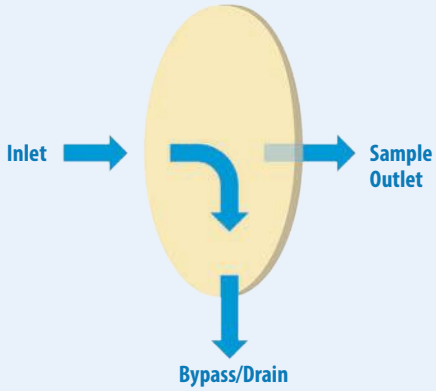
PTFE Membranes
Grades & Dimensions

PTFE porous membranes are manufactured from a pure PTFE. They have a good strength, but remain flexible for easy installation. PTFE membranes extremely inert and have very low absorption levels.

Microscopic pores in the membrane allow the gas to flow through easily, but even the smallest liquid aerosols are prevented. The high surface tension of the liquid molecules cause them to be formed tightly together making them too large to fit through the pores of the membrane.



PTFE Membrane



Standard Sizes

PTFE membranes are available in a wide range of standard diameters. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

MT.19.☐ MT.33.☐ MT.47.☐ MT.61.☐ MT.89.☐ MT.101.☐

Replace the ☐ in the part numbers shown with the grade selected from the tables below.

Gas Applications

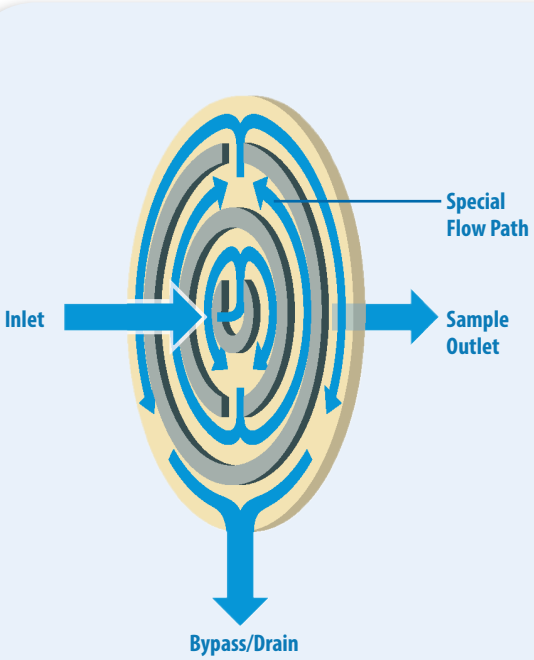
Grade	Type	Pore Size	Thickness
M1	Hydrophobic	0.1 µm	50 µm
M2	Hydrophobic	0.8 µm	50 µm
M3	Hydrophobic & Oleophobic	0.1 µm	50 µm
M4	Hydrophobic & Oleophobic	0.8 µm	50 µm

Liquid/Liquid Applications

The principles are the same as for the gas application membranes - the higher surface tension of the water molecules cause them to be formed tightly together making them too large to fit through the pores of the membrane.

The M8 grade has a special support layer on the reverse of the membrane to increase the maximum pressure drop.

To ensure water is removed from the liquid hydrocarbon stream the contact time with the membrane should be maximised and the SML housings feature a special flow-path to do this.



Liquid/Liquid Applications

Grade	Type	Pore Size	Thickness
M8	Hydrophobic with Support Layer	0.8 µm	150 µm

Special Sizes

Special size membranes can also be manufactured in a range of different diameters.

Please enquire with any specific requirements.

Gas and Liquid Flow rates in litres/hr at 0.1 Bar pressure drop

Flow rates will depend on which membrane grade is installed in the membrane housing. First check the size of the filter element using the housing data sheets and then refer to the charts below to read the flow rate against the membrane grade. Replace the □ in the part number shown with the required grade, for example MT.33.M2

For housings that have two membranes installed the flow rates can be doubled.

MT.19.□

Gas Flow Rates		Liquid/Liquid Flow Rates			
Grade	Air	Grade	Gasolene	Kerosene	Diesel
M1	9	M8	24.6	10.6	9.0
M2	275				
M3	9				
M4	275				

MT.33.□

Grade	Air	Grade	Gasoline	Kerosene	Diesel
M1	15	M8	42.7	18.4	15.7
M2	480				
M3	15				
M4	480				

MT.47.□

Grade	Air	Grade	Gasoline	Kerosene	Diesel
M1	22	M8	60	26	22
M2	685				
M3	22				
M4	685				

MT.61.□

Grade	Air	Grade	Gasoline	Kerosene	Diesel
M1	29	M8	79	34	29
M2	890				
M3	29				
M4	890				

MT.89.□

Grade	Air	Grade	Gasoline	Kerosene	Diesel
M1	42	M8	115	49	42
M2	1290				
M3	42				
M4	1290				

MT.101.□

Grade	Air	Grade	Gasoline	Kerosene	Diesel
M1	48	M8	130	56	48
M2	1450				
M3	48				
M4	1450				

Notes (1) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

DIF
Small Disposable In-Line Filters

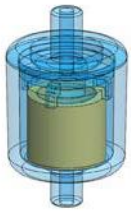
Materials	**Polyamide & PVDF**
Pressure	**Up to 8 Bar**
Ports	**1/4" or 6mm Spigots**
Element	**12.16.☐ & 12.32.☐**

Disposable In-Line Filters (DIF.M and DIF) consist of permanently welded housings with encapsulated microfibre filter elements. This makes them ideal for portable analysers and other analysis systems requiring a robust and easily replaceable filter.

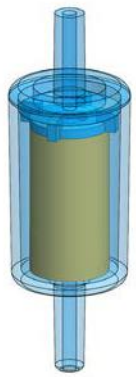
A choice of body materials makes them suitable for a wide range of chemical environments. The units on this page are designed for particulate removal in gas and liquid applications. The K type filter element is fitted as standard, but other element types can also be installed.

Replace the ☐ in the part number with the grade required, for example DIF.N5K

For larger size DIFs see data sheet CF/2.0/050a.



DIF.MN☐



DIF.N☐

Technical Specifications

Housing Model (1)	**DIF.MN☐**	**DIF.MN☐.6mm**	**DIF.MK☐**	**DIF.MK☐.6mm**	**DIF.N☐**	**DIF.N☐.6mm**	**DIF.K☐**	**DIF.K☐.6mm**
Port Spigot Size	Ø 1/4"	Ø 6mm	Ø 1/4"	Ø 6mm	Ø 1/4"	Ø 6mm	Ø 1/4"	Ø 6mm
Maximum Presure, Bar	8	8	4	4	8	8	4	4
Maximum Temperature, °C								
At 0 Bar	110	110	120	120	110	110	120	120
At Maximum Pressure,	50	50	50	50	50	50	50	50
Materials of Construction (2)								
Body	PA	PA	PVDF	PVDF	PA	PA	PVDF	PVDF
Filter Element Size	12.16	12.16	12.16	12.16	12.32	12.32	12.32	12.32
Standard Element (3)	K Type	K Type	K Type	K Type	K Type	K Type	K Type	K Type
Principal Dimensions in mm								
Diameter	25	25	25	25	25	25	25	25
Body Length	27.5	27.5	27.5	27.5	43.5	43.5	53.5	43.5
Spigot Length	7.5	7.5	7.5	7.5	20	20	20	20
Volume, cc	6	6	6	6	11	11	11	11

Notes

(1) Replace the ☐ with the grade required, e.g. DIF.N5K

(2) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidenediflouride

(3) Other binder types available to order

DIF
Disposable In-Line Filters

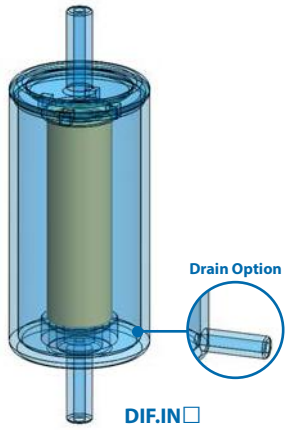
Materials	**Polyamide & PVDF**
Pressure	**Up to 8 Bar**
Ports	**1/4" or 1/2" Spigots**
Element	**12.57.☐ & 25.64.☐**

Disposable In-Line Filters (DIF.I & DIF.L) consist of permanently welded housings with encapsulated microfibre filter elements. This makes them ideal for portable analysers and other analysis systems requiring a robust and easily replaceable filter.

A choice of body materials makes them suitable for a wide range of chemical environments. The units on this page are designed for particulate removal in gas and liquid applications. The K type filter element is fitted as standard, but other element types can also be installed.

The DIF.IN & DIF.IK can be supplied with a drain port spigot for coalescing application.

Replace the ☐ in the part number with the grade required, for example DIF.LN5K



DIF.IN☐


DIF.LK☐

Technical Specifications

Housing Model (1&2)	DIF.IN☐	DIF.IK☐	DIF.LN☐	DIF.LN☐.201	DIF.LK☐	DIF.LK☐.201
Port Spigot Size	Ø 1/4"	Ø 1/4"	Ø 1/2"	1/4" NPT(M)	Ø 1/2"	1/4" NPT(M)
Maximum Presure, Bar	8	4	8	8	4	4
Maximum Temperature, °C						
At 0 Bar	110	120	110	120	110	120
At Maximum Pressure,	50	50	50	50	50	50
Materials of Construction (3)						
Body	PA	PVDF	PA	PA	PVDF	PVDF
Filter Element Size	12.57	12.57	25.64	25.64	25.64	25.64
Standard Element (4)	K Type	K Type	K Type	K Type	K Type	K Type
Principal Dimensions in mm						
Diameter	36.5	36.5	51	51	51	51
Body Length	73.5	73.5	79	79	79	79
Spigot Length	20	20	24	24	24	24
Volume, cc	50	50	110	110	110	110

Notes

(1) Replace the ☐ with the grade required, e.g. DIF.IN5K

(2) DIF.IN and DIF.IK has the drain port option when fitted with a coalescing filter element e.g. DIF.IN5CK

(3) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidenediflouride

(4) Other binder types available to order

DIA
Disposable In-Line Adsorbers

Materials	**Polyamide & PVDF**
Pressure	**Up to 8 Bar**
Ports	**1/4" or 1/2" Spigots**
Adsorbers	**Various**

Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. Two body sizes are available, containing approximately 11cc and 110cc of adsorbent.

Flow rates are the same as for grade 5 elements in the same size bodies. However, with adsorption more important considerations will be the volume of adsorbent and the contact time.

A range of adsorber materials are available, these are listed below. Replace the ☐ in the part number with the type required.

DIA.N☐

DIA.LN☐

Technical Specifications

Housing Model (1)	**DIA.N☐**	**DIA.N☐.6mm**	**DIA.K☐**	**DIA.K☐.6mm**	**DIA.LN☐**	**DIA.LN☐.201**	**DIA.LK☐**	**DIA.LK☐.201**
Port Size	Ø 1/4" Spigot	Ø 6mm Spigot	Ø 1/4" Spigot	Ø 6mm Spigot	Ø 1/2" Spigot	Ø 1/4" NPT(M)	Ø 1/2" Spigot	Ø 1/4" NPT(M)
Maximum Presure, Bar	8	8	4	4	8	8	4	4
Maximum Temperature, ºC								
At 0 Bar	110	110	120	120	110	120	110	120
At Maximum Pressure	50	50	50	50	50	50	50	50
Materials of Construction (2)								
Body	PA	PA	PVDF	PVDF	PA	PA	PVDF	PVDF
Adsober (see table below)								
Principal Dimensions in mm								
Diameter	25	25	25	25	51	51	51	51
Body Length	43.5	43.5	43.5	43.5	79	79	79	79
Spigot Length	20	20	20	20	24	24	24	24
Volume, cc	11	11	11	11	110	110	110	110

Grade	**Adsorber**	**Principle Uses**
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

Notes

(1) Replace the ☐ with the adsorber required, e.g. DIA.N01

(2) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidenediflouride

Adsorber Cartridges
for Filter Housings

Vapour Adsorption

Coalescing filter elements will only remove liquid aerosols and droplets. If there is a liquid in vapour form to be removed then an adsorber cartridge should be used in an additional housing as a final stage.

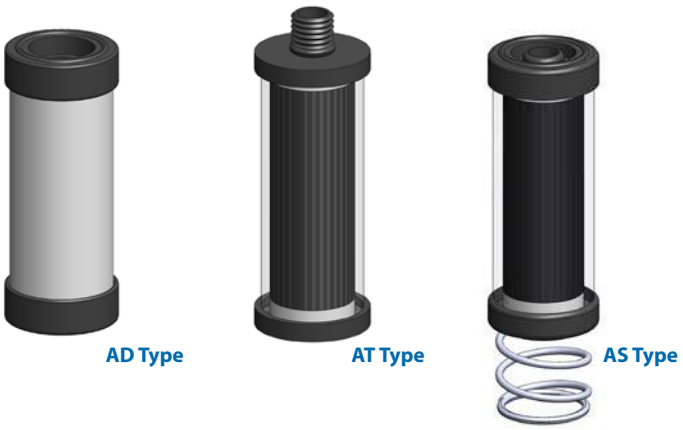
Adsorption cartridges can also be used to remove elements of a gas, for example acidic gases. A range of adsorber materials are available and these are listed below.

Cartridge Types

We have three different styles of adsorber cartridge available - each designed for a particular filter housing.

The AD and AT types can be installed into a standard housing. The AS is designed for small stainless steel housings and to install this type the housing tie rod should be removed.

Refer to the housing data sheets to select the correct size and type of cartridge required.



AD Type AT Type AS Type

Technical Specifications

Cartridge Type (1)	☐.AD☐	☐.AT☐	☐.AS☐
Maximum Temperature, °C	50	50	50
Materials of Construction			
Body	Microfibre Filters	Acrylic	Acrylic
End Caps	PA	PA	PA
Seal	Viton	Viton	Viton
Filter Pads	-	PE	PE
Spring	-	-	SS
Adsorber (see table below)			

Standard Sizes

12.32. ☐ 12.57. ☐ 25.64. ☐ 25.178. ☐ 32.152. ☐ 51.230. ☐ 51.476. ☐

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

Notes

(1) Replace the first ☐ with the cartridge size and the second ☐ with the adsorber required, e.g. 12.57.AS01

Adsorber Columns
for Granular Media

Vapour Adsorption Columns

Our in-line Adsorption Housings are for the adsorption of various vapours and gas types within a gas stream and provide a simple, low-cost solution. Adsorption columns can also be used to remove specific elements of a gas, for example acidic gases. The media can easily be replaced as the housings have a threaded connection and o-ring seals at each end. Replaceable filter pads are included to contain the media and also remove any loose particles from the granules. It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Granular Adsorber Media

A range of granular adsorber materials are available and these are listed below. together with the principle uses. We are pleased to advise about any special applications you may have. The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.

NAD.38.150

Technical Specifications

Housing Model	NAD.38.150	NAD.38.250	NAD.50.200	NAD.50.350	NAD.70.250	NAD.70.450	NAD.70.650	NAD.100.450	NAD.100.650
Port Sizes	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	6	6	5	5	3	3	3	2	2
Maximum Temperature, °C	50	50	50	50	50	50	50	50	50
Materials of Construction									
Body	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
End Caps	POM	POM	POM	POM	POM	POM	POM	POM	POM
Filter Pads	PE	PE	PE	PE	PE	PE	PE	PE	PE
Principal Dimensions in mm									
Diameter	38	38	50	50	70	70	70	100	100
Height	150	250	200	350	250	450	650	450	650
Volume, cc	80	160	215	440	610	1255	1900	2700	4100

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

NN212.AD & NN232.AD
Absorber Housing

Materials Polyamide
Pressure 10 Bar
Ports 1/4" or 1/2"

The NN212 & NN232 Adsorber Housings are a simple, cost effective solution for the adsorption of various chemical vapours in a gaseous stream. The hollow tube, with integral filter diverts the gas flow to the base of the bowl allowing complete passage of gas through the adsorber granules. Simply remove the filter bowl without disturbing the line connections to replace the used adsorber media. It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Housings are available with 1/4" or 1/2" ports and have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

A range of granular adsorber materials are available and these are listed below. together with the principle uses. We are pleased to advise about any special applications you may have. The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.

Technical Specifications

Housing Model	NN212.201.AD	NN212.401.AD	NN232.201.AD	NN232.401.AD
Port Size	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Drain	None	None	None	None
Maximum Pressure, Bar	10	10	10	10
Maximum Temperature, °C	50	50	50	50
Materials of Construction				
Head, Bowl & Internals	PA	PA	PA	PA
Seals	Viton	Viton	Viton	Viton
Filter Pads	PE	PE	PE	PE
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	147	147	246	246
Volume, cc	125	125	250	250
Weight, kg	0.2	0.2	0.25	0.25
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

SS127.AD
Absorber Housing

Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8” or 1/4”**

The SS127 Adsorber Housings are a compact, simple but high performance solution for the adsorption of various chemical vapours in a gaseous stream. The hollow tube, with integral filter diverts the gas flow to the base of the bowl allowing complete passage of gas through the adsorber granules. Simply remove the filter bowl without disturbing the line connections to replace the used adsorber media. It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Housings are available with 1/4" or 1/2" ports and have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

A range of granular adsorber materials are available and these are listed below. together with the principle uses. We are pleased to advise about any special applications you may have. The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.

Technical Specifications

Housing Model	**SS127.101.AD**	**SS127.201.AD**
Port Size	1/8" NPT	1/4" NPT
Drain	None	None
Maximum Pressure, Bar	350	350
Maximum Temperature, ºC	200	200
Materials of Construction		
Head, Bowl & Internals	316L SS	316L SS
Seals	Viton	Viton
Filter Disc	316L SS	316L SS
Principal Dimensions in mm		
Diameter	36	36
Height	103.5	103.5
Volume, cc	25	25
Weight, kg	0.5	0.5
Accessories		
Mounting Bracket	MBSS11	MBSS11

Grade	**Adsorber**	**Principle Uses**
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

SS215.AD & SS235.AD
Absorber Housing

Materials 316L Stainless Steel
Pressure 100 Bar
Ports 1/4" or 1/2"

The SS215 and SS235 Adsorber Housings are a simple but high performance solution for the adsorption of various chemical vapours in a gaseous stream. The hollow tube, with integral filter diverts the gas flow to the base of the bowl allowing complete passage of gas through the adsorber granules. Simply remove the filter bowl without disturbing the line connections to replace the used adsorber media. It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Housings are available with 1/4" or 1/2" ports and have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

A range of granular adsorber materials are available and these are listed below. together with the principle uses. We are pleased to advise about any special applications you may have. The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.

Technical Specifications

Housing Model	SS215.201.AD	SS215.401.AD	SS235.201.AD	SS235.401.AD
Port Size	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Drain	None	None	None	None
Maximum Pressure, Bar	100	100	100	100
Maximum Temperature, °C	50	50	50	50
Materials of Construction				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals	Viton	Viton	Viton	Viton
Filter Pads	PE	PE	PE	PE
Principal Dimensions in mm				
Diameter	60	60	60	60
Height	128.5	128.5	241.5	241.5
Volume, cc	110	110	220	220
Weight, kg	1.45	1.45	1.95	1.95
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_x, NO_x, HCl
07	Potassium Permanganate	Removal of SO_x and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

SS218.AD & SS238.AD
Absorber Housing

Materials 316L Stainless Steel
Pressure 400 Bar
Ports 1/4" or 1/2"

The SS218 and SS238 Adsorber Housings are a simple but high performance solution for the adsorption of various chemical vapours in a gaseous stream. The hollow tube, with integral filter diverts the gas flow to the base of the bowl allowing complete passage of gas through the adsorber granules. Simply remove the filter bowl without disturbing the line connections to replace the used adsorber media. It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Housings are available with 1/4" or 1/2" ports and have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

A range of granular adsorber materials are available and these are listed below. together with the principle uses. We are pleased to advise about any special applications you may have. The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.

Technical Specifications

Housing Model	SS218.201.AD	SS218.401.AD	SS238.201.AD	SS238.401.AD
Port Size	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Drain	None	None	None	None
Maximum Pressure, Bar	400	400	400	400
Maximum Temperature, ºC	50	50	50	50
Materials of Construction				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals	Viton	Viton	Viton	Viton
Filter Pads	PE	PE	PE	PE
Principal Dimensions in mm				
Diameter	85	85	85	85
Height	147	147	264	264
Volume, cc	110	110	220	220
Weight, kg	2.55	2.55	5.75	5.75
Accessories				
Mounting Bracket	MBSS218	MBSS218	MBSS218	MBSS218

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic conversions to CO_2

SH017
SP76 Modular Filter Housing

Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**SP76 & 1/8”**
Element	**10.32.☐**

The SH027 series SP76 filter housings are designed for SP76 compliant modular sample systems. The housings can be used for particulate or coalescing applications. Coalescing housings have a drain port. If a housing is used for coalescing any liquid in the sample will flow to the 1/8" NPT drain port.

The coalescing housings should only be used on a substrate that is mounted in the horizontal plane with the drain port at the lowest point below the inlet and outlet ports.

The housing design allows a quick change of the element as all the line connections are arranged in the body of the housing.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

Technical Specifications

Housing Model	**SH017.L01**	**SH017.R01**	**SH017.L11**	**SH017.R11**
Inlet/Outlet Connections	SP76	SP76	SP76	SP76
Drain	None	None	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	350	350	350	350
Maximum Temperature, ºC (1)	200	200	200	200
Flow Direction	Left to Right	Right to Left	Left to Right	Right to Left
Substrate Plane	Any	Any	Horizontal	Horizontal
Inlet	Hole 1	Hole3	Hole 2	Hole 2
Outlet	Hole 2	Hole 2	Hole 3	Hole 1
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Filter Element Code (4)	10.32.☐	10.32.☐	10.32.☐	10.32.☐
Principal Dimensions in mm				
Diameter	38	38	38	38
Height	82	82	82	82
Volume, cc	15	15	15	15
Weight, kg	0.3	0.3	0.3	0.3

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SH027.R11.T)

(4) Replace the ☐ with the grade required, e.g. 10.57.5CK

SH027
SP76 Modular Filter Housing

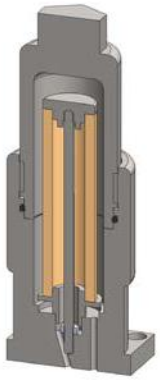
Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**SP76 & 1/8”**
Element	**10.57.☐**

The SH027 series SP76 filter housings are designed for SP76 compliant modular sample systems. The housings can be used for particulate or coalescing applications. Coalescing housings have a drain port. If a housing is used for coalescing any liquid in the sample will flow to the 1/8" NPT drain port.

The coalescing housings should only be used on a substrate that is mounted in the horizontal plane with the drain port at the lowest point below the inlet and outlet ports.

The housing design allows a quick change of the element as all the line connections are arranged in the body of the housing.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.



Technical Specifications

Housing Model	**SH027.L01**	**SH027.R01**	**SH027.L11**	**SH027.R11**
Inlet/Outlet Connections	SP76	SP76	SP76	SP76
Drain	None	None	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	350	350	350	350
Maximum Temperature, ºC (1)	200	200	200	200
Flow Direction	Left to Right	Right to Left	Left to Right	Right to Left
Substrate Plane	Any	Any	Horizontal	Horizontal
Inlet	Hole 1	Hole3	Hole 2	Hole 2
Outlet	Hole 2	Hole 2	Hole 3	Hole 1
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Filter Element Code (4)	10.57.☐	10.57.☐	10.57.☐	10.57.☐
Principal Dimensions in mm				
Diameter	38	38	38	38
Height	107	107	107	107
Volume, cc	15	15	15	15
Weight, kg	0.35	0.35	0.35	0.35

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SH027.R11.T)

(4) Replace the ☐ with the grade required, e.g. 10.57.5CK

SG111 & SS112
Filter Housing

Materials	**316L SS & Pyrex Glass**
Pressure	**7 & 10 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**

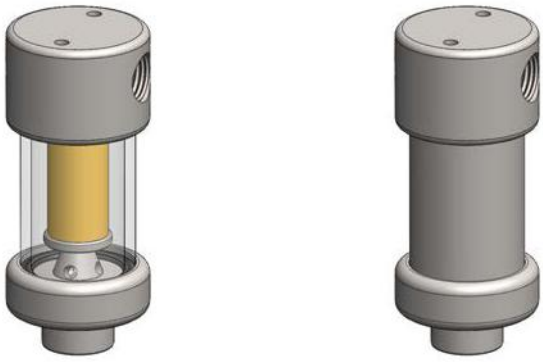
SG111 and SS112 series filter housings are specified for 1/8" & 1/4" line size applications at low pressure. For applications over 10 Bar the SS117 housings are available.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG111.111	SG111.211	SG111.221	SS112.111	SS112.211	SS112.221
Port Size	1/8" NPT	1/4" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	1/8" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	7	7	7	10	10	10
Maximum Temperature, ºC (2)	100	100	100	200	200	200
Materials of Construction (3)						
Head & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS
Seals(4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (6)	12.32.AD☐	12.32.AD☐	12.32.AD☐	12.32.AD☐	12.32.AD☐	12.32.AD☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93	93	93	93	93	93
Volume, cc	25	25	25	25	25	25
Weight, kg	0.4	0.4	0.4	0.4	0.4	0.4
Accessories						
Support Core	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)

(2) Maximum temperature is with standard seals. For temperatures up to 324ºC use Chemraz seals

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG111.221.T)

(5) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(6) Replace the ☐ with the type required, e.g. 12.32.AD01

SS117
Filter Housing

Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8", 1/4" & 1/2"**
Element	**12.32.☐**

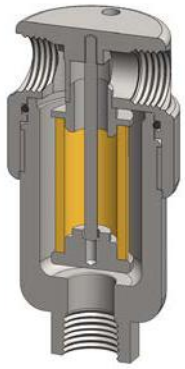
SS117 series filter housings are specified for 1/8" & 1/4" line size applications where response times are critical. When the flow rate or contamination levels are higher the SS127 series housings should be considered.

Higher pressure versions are available, see the SS119 series for applications up to 700 bar.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS117.101	SS117.111	SS117.201	SS117.221	SS117.401	SS117.421
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	350	350	350	350	350	350
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (6)	12.32.AS☐	12.32.AS☐	12.32.AS☐	12.32.AS☐	12.32.AS☐	12.32.AS☐
Principal Dimensions in mm						
Diameter	36	36	36	36	50	50
Height	78.5	78.5	78.5	78.5	90.5	90.5
Volume, cc	25	25	25	25	27.5	27.5
Weight, kg	0.38	0.38	0.38	0.38	0.77	0.77
Accessories						
Support Core	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS117.221.T)

(5) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(6) Replace the ☐ with the type required, e.g. 12.32.AS01

SV117
Inverted Filter Housing

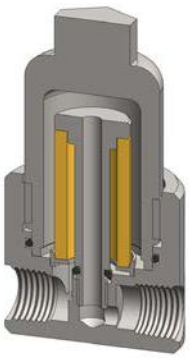
Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**

SV117 series filter housings are specified for 1/8" & 1/4" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SV117.111**	**SV117.221**
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	350	350
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Filter Element Code (5)	12.32.☐	12.32.☐
Principal Dimensions in mm		
Diameter	44	44
Height	80.5	80.5
Volume, cc	25	25
Weight, kg	0.55	0.55
Accessories		
Mounting Bracket	MBSV117	MBSV117

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV117.221.E)

(5) Replace the ☐ with the grade required, e.g. 12.32.5CK

SS119
Filter Housing

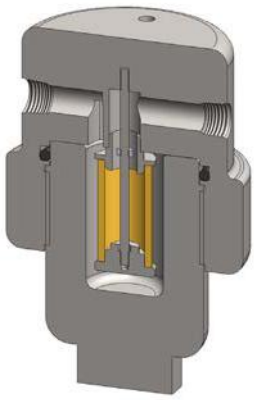
Materials	**316L Stainless Steel**
Pressure	**700 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**

SS119 series filter housings are specified for 1/8" & 1/4" line size applications up to 700 Bar where response times are critical. If the flow rate or contamination is higher, or where service intervals must be kept as long as possible, the SS129 series housings should be considered. For applications less than 340 Bar see the SS117 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS119.101**	**SS119.111**	**SS119.201**	**SS119.221**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	700	700	700	700
Maximum Temperature, ºC (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (6)	12.32.AS☐	12.32.AS☐	12.32.AS☐	12.32.AS☐
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	110	110	110	110
Volume, cc	30	30	30	30
Weight, kg	2.4	2.4	2.4	2.4
Accessories				
Support Core	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS119.221.T)

(5) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(6) Replace the ☐ with the type required, e.g. 12.32.AS01

SG121 & SS122
Filter Housing

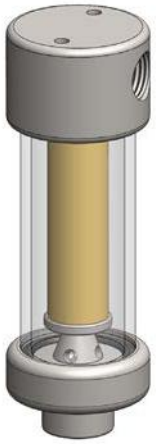
Materials	**316L SS & Pyrex Glass**
Pressure	**7 & 10 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

SG121 and SS122 series filter housings are specified for 1/8" & 1/4" line size applications at low pressure. For applications over 10 Bar the SS127 housings are available. The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	**SG121.111**	**SG121.211**	**SG121.221**	**SS122.111**	**SS122.211**	**SS122.221**
Port Size	1/8" NPT	1/4" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	1/8" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	7	7	7	10	10	10
Maximum Temperature, ºC (2)	100	100	100	200	200	200
Materials of Construction (3)						
Head & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS
Seals (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (6)	12.57.AD☐	12.57.AD☐	12.57.AD☐	12.57.AD☐	12.57.AD☐	12.57.AD☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	118.5	118.5	118.5	118.5	118.5	118.5
Volume, cc	45	45	45	45	45	45
Weight, kg	0.4	0.4	0.4	0.4	0.4	0.4
Accessories						
Support Core	SCSS12	SCSS12	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)

(2) Maximum temperature is with standard seals. For temperatures up to 324ºC use Chemraz seals

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG121.221.T)

(5) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(6) Replace the ☐ with the type required, e.g. 12.57.AD01

SS127
Filter Housing

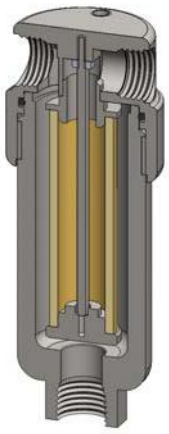
Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8", 1/4" & 1/2"**
Element	**12.57.☐**

SS127 series filter housings are specified for general 1/8" & 1/4" line size applications. The SS117 series housings should be considered for applications where response time is critical. Higher pressure versions are available, see the SS129 series for applications up to 700 bar.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS127.101**	**SS127.111**	**SS127.201**	**SS127.221**	**SS127.401**	**SS127.421**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	350	350	350	350	350	350
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (6)	12.57.AS☐	12.57.AS☐	12.57.AS☐	12.57.AS☐	12.57.AS☐	12.57.AS☐
Principal Dimensions in mm						
Diameter	36	36	36	36	50	50
Height	103.5	103.5	103.5	103.5	115.5	115.5
Volume, cc	35	35	35	35	37.5	37.5
Weight, kg	0.5	0.5	0.5	0.5	0.87	0.87
Accessories						
Support Core	SCSS12	SCSS12	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS127.221.T)

(5) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(6) Replace the ☐ with the type required, e.g. 12.57.AS01

SS127.MG
Filter Housing with Magnet

Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8", 1/4" & 1/2"**
Element	**12.32.☐**
Magnet	**13/18.25.MAG**

SS127.MG series filter housings are based on our standard SS127 series and have both a filter element & Neodymium magent in one housing.

Special and custom housing can also be supplied with internal arrangements to suit spcific aplications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

Technical Specifications

Housing Model	**SS127.101.MG**	**SS127.111.MG**	**SS127.201.MG**	**SS127.221.MG**	**SS127.401.MG**	**SS127.421.MG**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	350	350	350	350	350	350
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Magnet Code	13/18.25.MAG	13/18.25.MAG	13/18.25.MAG	13/18.25.MAG	13/18.25.MAG	13/18.25.MAG
Principal Dimensions in mm						
Diameter	36	36	36	36	50	50
Height	103.5	103.5	103.5	103.5	115.5	115.5
Volume, cc	35	35	35	35	37.5	37.5
Weight, kg	0.5	0.5	0.5	0.5	0.87	0.87
Accessories						
Support Core	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS125.221.T.MG)

(5) Replace the ☐ with the grade required, e.g. 12.32.SS100, 12.32.S20V,

SS125.F
Float Valve Housing

Materials 316L Stainless Steel
Pressure 100 Bar
Ports 1/8", 1/4" & 1/2"

SS125.F series float valve housings are based on our standard SS127 series and have PVDF float ball to shut off the flow when collected liquids reach a certain level.

Special and custom housing can also be supplied with internal arrangements to suit specific applications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

Technical Specifications

Housing Model	SS125.111.F	SS125.221.F	SS125.421.F
Port Size	1/8" NPT	1/4" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	100	100	100
Maximum Temperature, °C	100	100	100
Materials of Construction (1)			
Head, Bowl & Internals	316L SS	316L SS	316L SS
Float Ball	PVDF	PVDF	PVDF
Seals (2)	Viton	Viton	Viton
Principal Dimensions in mm			
Diameter	36	36	50
Height	103.5	103.5	115.5
Volume, cc	35	35	37.5
Weight, kg	0.5	0.5	0.87
Accessories			
Mounting Bracket	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel, PVDF = polyvinylidenediflouride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS125.421.F.T)

SV127
Inverted Coalescing Filter Housing

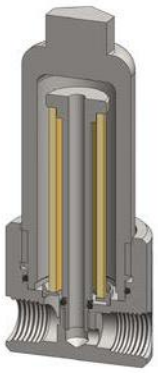
Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

SV127 series filter housings are specified for 1/8" & 1/4" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SV127.111**	**SV127.221**
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	350	350
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Filter Element Code (5)	12.57.☐	12.57.☐
Principal Dimensions in mm		
Diameter	44	44
Height	105.5	105.5
Volume, cc	35	35
Weight, kg	0.65	0.65
Accessories		
Mounting Bracket	MBSV117	MBSV117

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV117.221.E)

(5) Replace the ☐ with the grade required, e.g. 12.32.5CK

SS147
Filter Housing

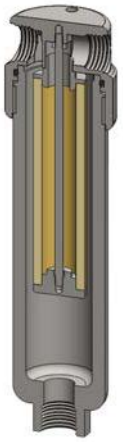
Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**1/8", 1/4"**
Vent Option	**1/8"**
Element	**12.76.☐**

SS147 series filter housings are specified for pilot/operated pressure regulator applications. Fitted with a high efficieny coalescing filter element, the SS147 will remove solid particles and liquid aerosols, giving complete protection to the pilot control valve.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model (1)	**SS147.111**	**SS147.111.LB**	**SS147.221**	**SS147.221.LB**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	None	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (2)	350	350	350	350
Maximum Temperature, ºC (3)	200	200	200	200
Materials of Construction (4)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (5)	Viton	Viton	Viton	Viton
Filter Element Code (6)	12.76.☐	12.76.☐	12.76.☐	12.76.☐
Principal Dimensions in mm				
Diameter	36	36	36	36
Height	152	192	152	192
Volume, cc	70	95	70	95
Weight, kg	0.68	0.85	0.68	0.85
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Housings available with a vent option in the top of the head. Add suffix .V11 (e.g SS147.221.V11)

(2) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(3) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(4) Material abbreviations, 316L SS = 316L Stainless Steel

(5) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS147.221.T)

(6) Replace the ☐ with the grade required, e.g. 12.76.7CS, 12.76.S20V, 12.76.T20

SS129
Filter Housing

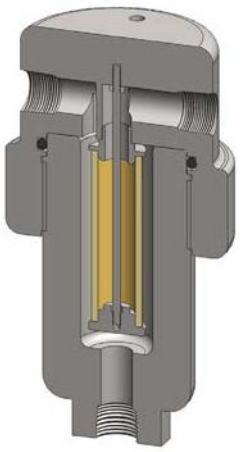
Materials	**316L Stainless Steel**
Pressure	**700 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

SS129 series filter housings are specified for 1/8" & 1/4" line size applications up to 700 Bar where the flow rate or contamination is higher, or where service intervals must be kept as long as possible. SS119 series housings should be considered for applications where response time is critical. For applications less than 340 Bar see the SS127 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS129.101**	**SS129.111**	**SS129.201**	**SS129.221**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	700	700	700	700
Maximum Temperature, ºC (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (6)	12.57.AS☐	12.57.AS☐	12.57.AS☐	12.57.AS☐
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	135	135	135	135
Volume, cc	40	40	40	40
Weight, kg	2.75	2.75	2.75	2.75
Accessories				
Support Core	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS129.221.T)

(5) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(6) Replace the ☐ with the type required, e.g. 12.57.AS01

SS1210
Filter Housing

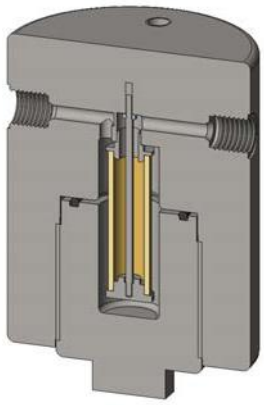
Materials	**316L Stainless Steel**
Pressure	**1050 Bar**
Ports	**1/4" & 3/8" C & T**
Element	**12.57.☐**

SS1210 series filter housings are specified for applications up to 1050 Bar. For applications less than 1050 Bar see the SS127 and SS129 series housings.

Standard housings have 1/4" & 3/8" coned and threaded ports and a Viton seal. Other port sizes and seal types are available as an option.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS1210.205**	**SS1210.225**	**SS1210.305**	**SS1210.335**
Port Size (1)	1/4" C & T	1/4" C & T	3/8" C & T	3/8" C & T
Drain	None	1/4" C & T	None	3/8" C & T
Maximum Pressure, Bar (2)	1050	1050	1050	1050
Maximum Temperature, ºC (3)	200	200	200	200
Materials of Construction (4)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (5)	Viton	Viton	Viton	Viton
Filter Element Code (6)	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (7)	12.57.AS☐	12.57.AS☐	12.57.AS☐	12.57.AS☐
Principal Dimensions in mm				
Diameter	100	100	100	100
Height	141	141	141	141
Volume, cc	50	50	50	50
Weight, kg	7.8	7.8	7.8	7.8
Accessories				
Support Core	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS42	MBSS42	MBSS42	MBSS42

Notes

(1) C & T = Coned & Threaded connection

(2) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(3) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(4) Material abbreviations, 316L SS = 316L Stainless Steel

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS1210.221.E)

(6) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(7) Replace the ☐ with the type required, e.g. 12.57.AS01

SS1211
Filter Housing

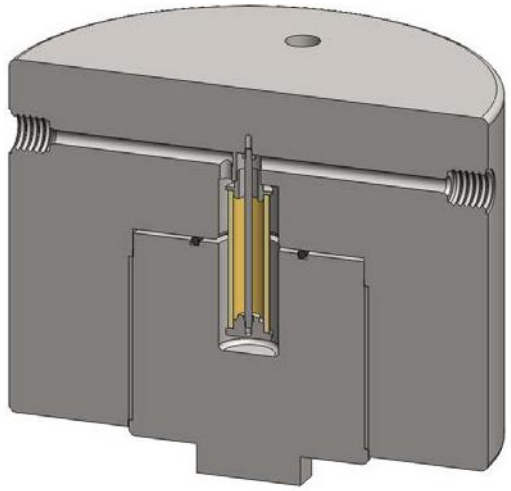
Materials	**316L Stainless Steel**
Pressure	**1400 Bar**
Ports	**1/4" & 3/8" C & T**
Element	**12.57.☐**

SS1211 series filter housings are specified for applications up to 1350 Bar. For applications less than 1400 Bar see the SS127, SS129 and SS1210 series housings.

Standard housings have 1/4" & 3/8" coned and threaded ports and a Viton seal. Other port sizes and seal types are available as an option.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS1211.205**	**SS1211.225**	**SS1211.305**	**SS1211.335**
Port Size (1)	1/4" C & T	1/4" C & T	3/8" C & T	3/8" C & T
Drain	None	1/4" C & T	None	3/8" C & T
Maximum Pressure, Bar (2)	1400	1400	1400	1400
Maximum Temperature, ºC (3)	200	200	200	200
Materials of Construction (4)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (5)	Viton	Viton	Viton	Viton
Filter Element Code (6)	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (7)	12.57.AS☐	12.57.AS☐	12.57.AS☐	12.57.AS☐
Principal Dimensions in mm				
Diameter	200	200	200	200
Height	165	165	165	165
Volume, cc	50	50	50	50
Weight, kg	37	37	37	37
Accessories				
Support Core	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS428	MBSS428	MBSS428	MBSS428

Notes

(1) C & T = Coned and Threaded connection

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS1211.221.E)

(5) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(6) Replace the ☐ with the type required, e.g. 12.57.AS01

SG211 & SS212
Filter Housing

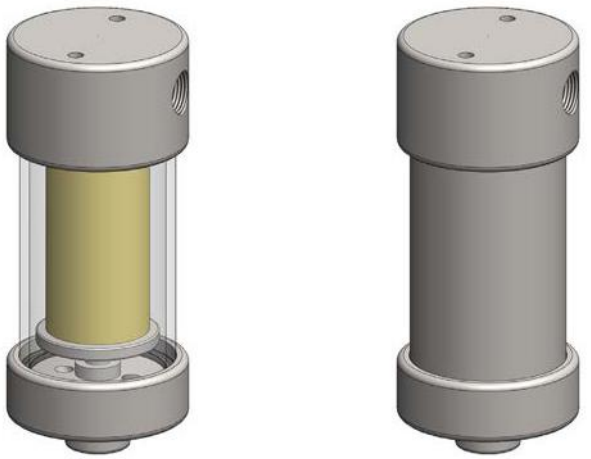
Materials	**316L SS & Pyrex Glass**
Pressure	**7 & 10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

SG211 and SS212 series filter housings are specified for 1/8" & 1/4" line size applications at low pressure. For applications over 10 Bar the SS215 housings are available. The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG211.211	SG211.221	SG211.411	SG211.421	SS212.211	SS212.221	SS212.411	SS212.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	7	7	7	7	10	10	10	10
Maximum Temperature, ºC (2)	100	100	100	100	200	200	200	200
Materials of Construction (3)								
Head & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS	316L SS
Seals (4)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (6)	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm								
Diameter	56	56	56	56	56	56	56	56
Height	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
Volume, cc	70	70	70	70	70	70	70	70
Weight, kg	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
Accessories								
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG211.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(6) Replace the ☐ with the type required, e.g. 25.64.AD01

SS215
Filter Housing

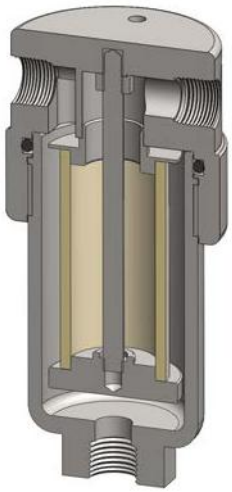
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

SS215 series filter housings are specified for 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS235 series housings should be considered. For applications over 100 Bar high pressure versions are available, see the SS216 and SS218 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS215.201**	**SS215.221**	**SS215.401**	**SS215.421**	**SS215.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (6)	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm					
Diameter	60	60	60	60	60
Height	128.5	128.5	128.5	128.5	128.5
Volume, cc	115	115	115	115	115
Weight, kg	1.45	1.45	1.45	1.45	1.45
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS215.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(6) Replace the ☐ with the type required, e.g. 25.64.AD01

SiS215
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

SiS215 series filter housings with differential pressure indicators are specified for 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SiS235 series housings should be considered. For applications over 100 Bar high pressure versions are available, see the SiS216 and SiS218 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.

Technical Specifications

Housing Model (1)	**SiS215.201**	**SiS215.221**	**SiS215.401**	**SiS215.421**	**SiS215.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	100	100	100	100	100
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Principal Dimensions in mm					
Diameter	60	60	60	60	60
Height	168	168	168	168	168
Volume, cc	115	115	115	115	115
Weight, kg	1.8	1.8	1.8	1.8	1.8
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

(1) Change part number to SeS215 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS215.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

SV215
Inverted Coalescing Filter Housing

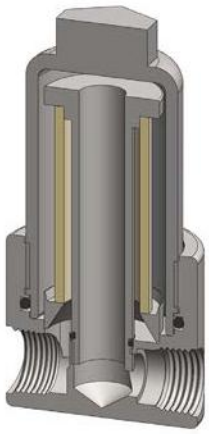
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**
Element	**25.65.☐**

SV215 series filter housings are specified for 1/4" & 1/2" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SV215.221**	**SV215.421**
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Filter Element Code (5)	25.64.☐	25.64.☐
Principal Dimensions in mm		
Diameter	63	63
Height	128	128
Volume, cc	115	115
Weight, kg	1.65	1.65
Accessories		
Mounting Bracket	MBSV215	MBSV215

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV215.221.E)

(5) Replace the ☐ with the grade required, e.g. 25.64.5CK

SS216
Filter Housing

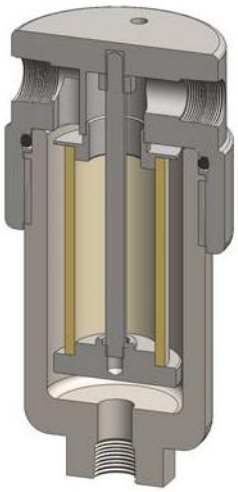
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

SS216 series filter housings are specified for 200 Bar 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS236 series housings should be considered. For applications less than 100 Bar see the SS215 series and for over 200 Bar see the SS218 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS216.201	SS216.221	SS216.401	SS216.421	SS216.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (6)	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	134.5	134.5	134.5	134.5	134.5
Volume, cc	120	120	120	120	120
Weight, kg	2.1	2.1	2.1	2.1	2.1
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS216.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(6) Replace the ☐ with the type required, e.g. 25.64.AD01

SiS216
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

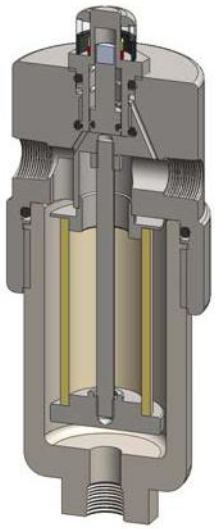
SiS216 series filter housings with differential pressure indicators are specified for 200 Bar 1/4" line size and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SiS236 series housings should be considered. For applications less than 100 Bar see the SiS215 series and for over 200 Bar see the SiS218 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS216.201**	**SiS216.221**	**SiS216.401**	**SiS216.421**	**SiS216.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200	200
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	173.5	173.5	173.5	173.5	173.5
Volume, cc	120	120	120	120	120
Weight, kg	2.6	2.6	2.6	2.6	2.6
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

(1) Change part number to SeS216 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS216.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

SS218
Filter Housing

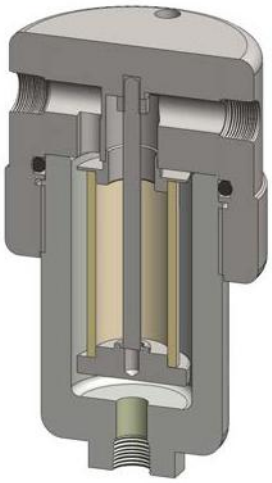
Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

SS218 series filter housings are specified for 400 Bar 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS238 series housings should be considered. For applications up to 100 Bar see the SS215 series and for up to 200 Bar see the SS216 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS218.201	SS218.221	SS218.401	SS218.421	SS218.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (6)	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	147	147	147	147	147
Volume, cc	160	160	160	160	160
Weight, kg	2.55	2.55	2.55	2.55	2.55
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS218	MBSS218	MBSS218	MBSS218	MBSS218

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS218.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(6) Replace the ☐ with the type required, e.g. 25.64.AD01

SiS218
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

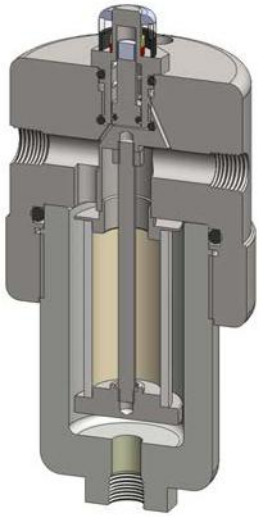
SiS218 series filter housings with differential pressure indicators are specified for 400 Bar 1/4" line size and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SiS238 series housings should be considered. For applications up to 100 Bar see the SiS215 series and for up to 200 Bar see the SiS216 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS218.201**	**SiS218.221**	**SiS218.401**	**SiS218.421**	**SiS218.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	400	400	400	400	400
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	180	180	180	180	180
Volume, cc	160	160	160	160	160
Weight, kg	4.7	4.7	4.7	4.7	4.7
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS218	MBSiS218	MBSiS218	MBSiS218	MBSiS218

Notes

(1) Change part number to SeS218 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS218.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

SS219
Filter Housing

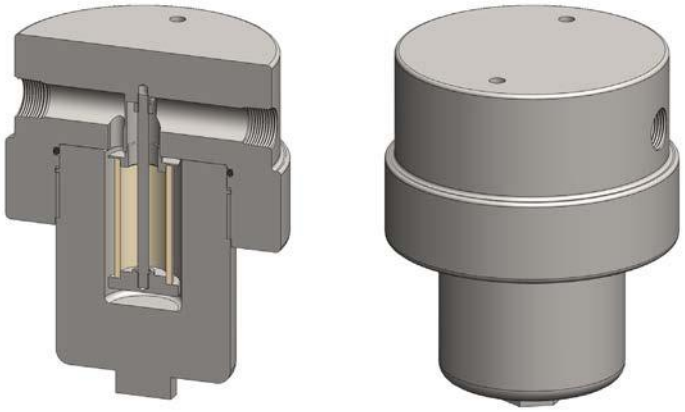
Materials	**316L Stainless Steel**
Pressure	**700 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

SS219 series filter housings are specified for 700 Bar 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS239 series housings should be considered. For applications at lower pressures see the SS215, SS216, and SS218 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS219.201	SS219.221	SS219.401	SS219.421	SS219.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	700	700	700	700	700
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (6)	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	186.5	186.5	186.5	186.5	186.5
Volume, cc	175	175	175	175	175
Weight, kg	16.2	16.2	16.2	16.2	16.2
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS219	MBSS219	MBSS219	MBSS219	MBSS219

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS219.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(6) Replace the ☐ with the type required, e.g. 25.64.AD01

SiS219
Filter Housing

Materials	**316L Stainless Steel**
Pressure	**700 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

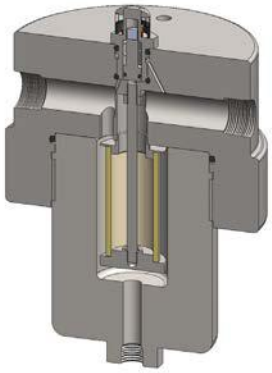
SiS219 series filter housings with differential pressure indicators are specified for 700 Bar 1/4" line size and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SiS239 series housings should be considered. For applications at lower pressures see the SiS215, SiS216, and SiS218 series housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS219.201**	**SiS219.221**	**SiS219.401**	**SiS219.421**	**SiS21.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	700	700	700	700	700
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	208.5	201.5	201.5	201.5	201.5
Volume, cc	175	175	175	175	175
Weight, kg	16.2	16.2	16.2	16.2	16.2
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS219	MBSiS219	MBSiS219	MBSiS219	MBSiS219

Notes

(1) Change part number to SeS219 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS219.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

SG231 & SS232
Filter Housing

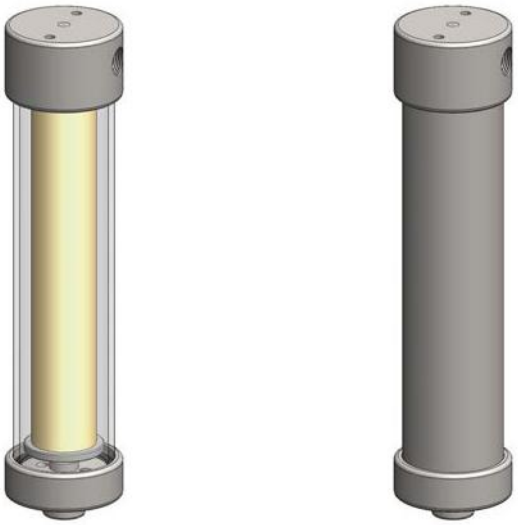
Materials	**316L SS & Pyrex Glass**
Pressure	**7 & 10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

SG231 and SS231 series filter housings are specified for 1/4" & 1/2" line size applications at low pressure. For applications over 10 Bar the SS235 housings are available. The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass. bowl The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG231.211	SG231.221	SG231.411	SG231.421	SS232.211	SS232.221	SS232.411	SS232.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	7	7	7	7	10	10	10	10
Maximum Temperature, ºC (2)	100	100	100	100	200	200	200	200
Materials of Construction (3)								
Head & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS	316L SS
Seals (4)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (6)	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm								
Diameter	56	56	56	56	56	56	56	56
Height	245	245	245	245	245	245	245	245
Volume, cc	250	250	250	250	250	250	250	250
Weight, kg	1.25	1.25	1.25	1.25	1.3	1.3	1.3	1.3
Accessories								
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG231.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(6) Replace the ☐ with the type required, e.g. 25.178.AD01

SS235
Filter Housing

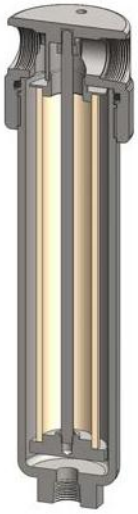
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4", 1/2" or 3/4"**
Element	**25.178.☐**

SS235 series filter housings are specified for 1/4" & 1/2" line size applications where contamination or the flow rate is high. Higher pressure versions are available for applications over 100 Bar, see the SS236 and SS238 series housings. The SS215 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS235.201	SS235.221	SS235.401	SS235.421	SS235.441	SS235.501	SS235.521	SS235.541
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200	200	200	200
Materials of Construction (3)								
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (6)	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm								
Diameter	60	60	60	60	60	70	70	70
Height	241.5	241.5	241.5	241.5	241.5	255.5	255.5	255.5
Volume, cc	265	265	265	265	265	270	270	270
Weight, kg	1.95	1.95	1.95	1.95	1.95	2.95	2.95	2.95
Accessories								
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS235.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(6) Replace the ☐ with the type required, e.g. 25.178.AD01

SiS235
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4", 1/2" or 3/4"**
Element	**25.178.☐**

SiS235 series filter housings with differential pressure indicators are specified for 1/4" & 1/2" line size applications where contamination or flow rate is high. Higher pressure versions are available for applications over 100 Bar, see the SiS236 and SiS238 series housings. The SiS235 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.

Technical Specifications

Housing Model (1)	**SiS235.201**	**SiS235.221**	**SiS235.401**	**SiS235.421**	**SiS235.441**	**SiS235.501**	**SiS235.521**	**SiS235.541**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	100	100	100	100	100	100	100	100
Maximum Temperature, ºC (2)	100	100	100	100	100	100	100	100
Materials of Construction (3)								
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Principal Dimensions in mm								
Diameter	60	60	60	60	60	70	70	70
Height	281	281	281	281	281	295	295	295
Volume, cc	265	265	265	265	265	270	270	270
Weight, kg	2.4	2.4	2.4	2.4	2.4	4.0	4.0	4.0
Accessories								
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

(1) Change part number to SeS235 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS235.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

SV235
Inverted Coalescing Filter Housing

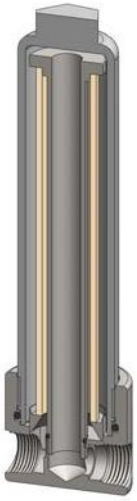
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

SV235 series filter housings are specified for 1/4" & 1/2" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SV235.221**	**SV235.421**
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Filter Element Code (5)	25.178.☐	25.178.☐
Principal Dimensions in mm		
Diameter	63	63
Height	241	241
Volume, cc	265	265
Weight, kg	2.05	2.05
Accessories		
Mounting Bracket	MBSV215	MBSV215

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV235.221.E)

(5) Replace the ☐ with the grade required, e.g. 25.178.5CK

SS236
Filter Housing

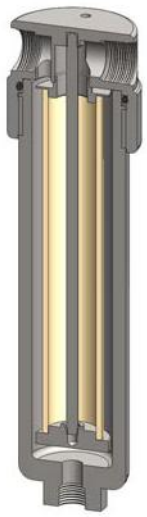
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

SS236 series filter housings are specified for 200 Bar 1/4" & 1/2" applications where the flow rate or contamination is high, or where serviceintervals must be kept as long as possible. For applications less than 100 Bar see the SS235 series and for over 200 Bar see the SS238 series housings. The SS216 series offers a more compact design for lower flows.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS236.201**	**SS236.221**	**SS236.401**	**SS236.421**	**SS236.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (6)	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	248.5	248.5	248.5	248.5	248.5
Volume, cc	285	285	285	285	285
Weight, kg	3.05	3.05	3.05	3.05	3.05
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS236.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(6) Replace the ☐ with the type required, e.g. 25.178.AD01

SiS236
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

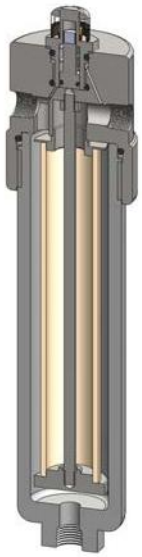
SiS236 series filter housings with differential pressure indicators are specified for 1/4" and 1/2" applications up to 200 Bar where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications less than 100 Bar see the SiS235 series and for over 200 Bar see the SiS238 series housings. The SiS236 series offers a more compact design for lower flows.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS236.201**	**SiS236.221**	**SiS236.401**	**SiS236.421**	**SiS236.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200	200
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	287.5	287.5	287.5	287.5	287.5
Volume, cc	285	285	285	285	285
Weight, kg	3.6	3.6	3.6	3.6	3.6
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

(1) Change part number to SeS236 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS236.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

SS238
Filter Housing

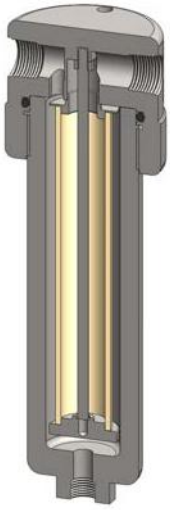
Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

SS238 series filter housings are specified for 400 Bar 1/4" & 1/2" applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications up to 100 Bar see the SS235 series housings and for up to 200 Bar seethe SS236 series. The SS218 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS238.201**	**SS238.221**	**SS238.401**	**SS238.421**	**SS238.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (6)	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	264	264	264	264	264
Volume, cc	320	320	320	320	320
Weight, kg	5.70	5.70	5.70	5.70	5.70
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS218	MBSS218	MBSS218	MBSS218	MBSS218

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS238.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(6) Replace the ☐ with the type required, e.g. 25.178.AD01

SiS238
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

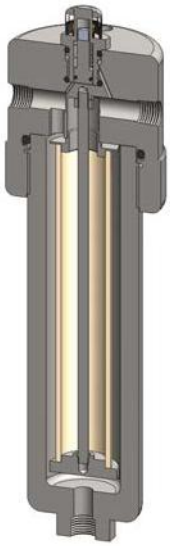
SiS238 series filter housings with differential pressure indicators are specified for 400 Bar 1/4" & 1/2" applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications up to 100 Bar see the SiS235 series housings and for up to 200 Bar see the SiS236 series. The SiS238 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS238.201**	**SiS238.221**	**SiS238.401**	**SiS238.421**	**SiS238.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	400	400	400	400	400
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	297	297	297	297	297
Volume, cc	320	320	320	320	320
Weight, kg	6.4	6.4	6.4	6.4	6.4
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSiS218	MBSiS218	MBSiS218	MBSiS218	MBSiS218

Notes

(1) Change part number to SeS238 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS238.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

SS239
Filter Housing

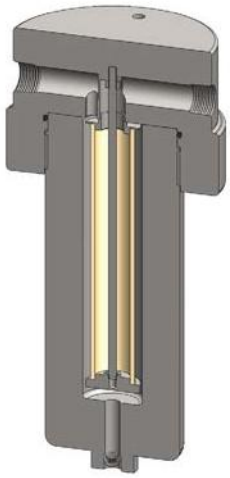
Materials	**316L Stainless Steel**
Pressure	**700 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

SS239 series filter housings are specified for 700 Bar 1/4" and 1/2" line size applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For lower pressures see the SS215, SS216, and SS218 series housings. The SS219 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS239.201	SS239.221	SS239.401	SS239.421	SS239.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	700	700	700	700	700
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (6)	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	300.5	300.5	300.5	300.5	300.5
Volume, cc	350	350	350	350	350
Weight, kg	21.6	21.6	21.6	21.6	21.6
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS219	MBSS219	MBSS219	MBSS219	MBSS219

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS219.221.T)

(5) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(6) Replace the ☐ with the type required, e.g. 25.178.AD01

SiS239
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**700 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

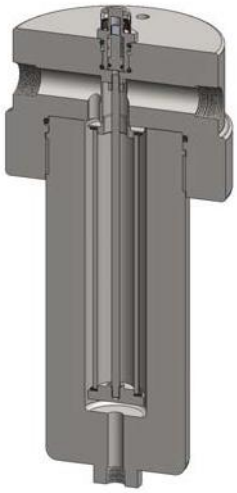
SiS239 series filter housings with differential pressure indicators are specified for 700 Bar 1/4" and 1/2" line size applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For lower pressures see the SiS215, SiS216, and SS218 series housings. The SiS239 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS239.201**	**SiS239.221**	**SiS239.401**	**SiS239.421**	**SiS239.441**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	700	700	700	700	700
Maximum Temperature, ºC (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	322.5	322.5	322.5	322.5	322.5
Volume, cc	175	175	175	175	175
Weight, kg	21.6	21.6	21.6	21.6	21.6
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS219	MBSS219	MBSS219	MBSS219	MBSS219

Notes

(1) Change part number to SeS239 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS239.221.E)

(6) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

SS325
Filter Housing

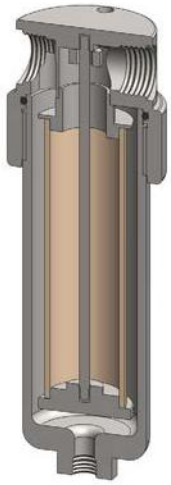
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

SS325 series filter housings are specified for 3/4" and 1" line size applications. For applications over 100 Bar high pressure versions are available, see the SS326 and SS328 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS325.501	SS325.521	SS325.541	SS325.601	SS325.621	SS325.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Adsorber Cartridge Code (6)	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐
Principal Dimensions in mm						
Diameter	75	75	75	75	75	75
Height	244	244	244	244	244	244
Volume, cc	650	650	650	650	650	650
Weight, kg	4.0	4.0	4.0	4.0	4.0	4.0
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSS325	MBSS325	MBSS325	MBSS325	MBSS325	MBSS325

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS325.501.T)

(5) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

(6) Replace the ☐ with the type required, e.g. 38.152.AD01

SiS325
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

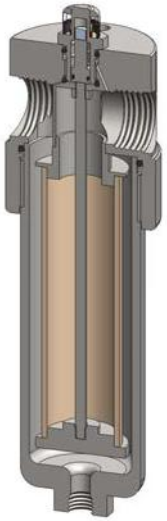
SiS325 series filter housings with differential pressure indicators are specified for 3/4" & 1" line size applications. For applications over 100 Bar high pressure versions are available, see the SiS326 and SiS328 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS325.501**	**SiS325.521**	**SiS325.541**	**SiS325.601**	**SiS325.621**	**SiS325.641**
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	100	100	100	100	100	100
Maximum Temperature, ºC (2)	100	100	100	100	100	100
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Principal Dimensions in mm						
Diameter	75	75	75	75	75	75
Height	284	284	284	284	284	284
Volume, cc	650	650	650	650	650	650
Weight, kg	4.8	4.8	4.8	4.8	4.8	4.8
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBiSS325	MBiSS325	MBiSS325	MBiSS325	MBiSS325	MBiSS325

Notes

(1) Change part number to SeS325 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS325.221.E)

(6) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

SS326
Filter Housing

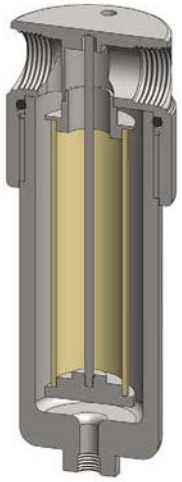
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

SS326 series filter housings are specified for 200 Bar 3/4" and 1" line size applications. For applications less than 100 Bar see the SS325 series and for over 200 Bar see the SS328 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS326.501	SS326.521	SS326.541	SS326.601	SS326.621	SS326.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200	200
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Adsorber Cartridge Code (6)	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐
Principal Dimensions in mm						
Diameter	90	90	90	90	90	90
Height	253	253	253	253	253	253
Volume, cc	670	670	670	670	670	670
Weight, kg	6.2	6.2	6.2	6.2	6.2	6.2
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSS326	MBSS326	MBSS326	MBSS326	MBSS326	MBSS326

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS326.501.T)

(5) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

(6) Replace the ☐ with the type required, e.g. 38.152.AD01

SiS326
Filter Housing with DPI

Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

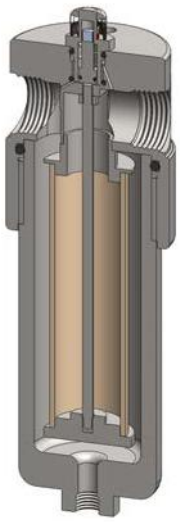
SiS326 series filter housings with differential pressure indicators are specified for 200 Bar 3/4" and 1" line size applications. For applications less than 100 Bar see the SiS325 series and for over 200 Bar see the SiS328 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS326.501**	**SiS326.521**	**SiS326.541**	**SiS326.601**	**SiS326.621**	**SiS326.641**
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200	200	200
Maximum Temperature, ºC (2)	100	100	100	100	100	100
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Principal Dimensions in mm						
Diameter	90	90	90	90	90	90
Height	290	290	290	290	290	290
Volume, cc	670	670	670	670	670	670
Weight, kg	7.5	7.5	7.5	7.5	7.5	7.5
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSiS326	MBSiS326	MBSiS326	MBSiS326	MBSiS326	MBSiS326

Notes

(1) Change part number to SeS326 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS326.221.E)

(6) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

SS337
Filter Housing

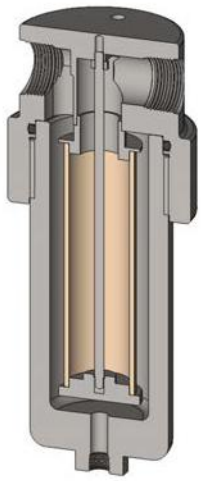
Materials	**316L Stainless Steel**
Pressure	**350 Bar**
Ports	**3/4" or 1"**
Element	**38.178.☐**

SS337 series filter housings are specified for 350 Bar 3/4" and 1" line size applications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS337.501	SS337.521	SS337.541	SS337.601	SS337.621	SS337.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	350	350	350	350	350	350
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	38.178.☐	38.178.☐	38.178.☐	38.178.☐	38.178.☐	38.178.☐
Adsorber Cartridge Code (6)	38.178.AD☐	38.178.AD☐	38.178.AD☐	38.178.AD☐	38.178.AD☐	38.178.AD☐
Principal Dimensions in mm						
Diameter	100	100	100	100	100	100
Height	274	274	274	274	274	274
Volume, cc	680	680	680	680	680	680
Weight, kg	10.8	10.8	10.8	10.8	10.8	10.8
Accessories						
Support Core	SCSS33	SCSS33	SCSS33	SCSS33	SCSS33	SCSS33
Mounting Bracket	MBSS327	MBSS327	MBSS327	MBSS327	MBSS327	MBSS327

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS337.501.T)

(5) Replace the ☐ with the grade required, e.g. 38.178.5CK, 38.178.S20V, 38.178.T20

(6) Replace the ☐ with the type required, e.g. 38.178.AD01

SS328
Filter Housing

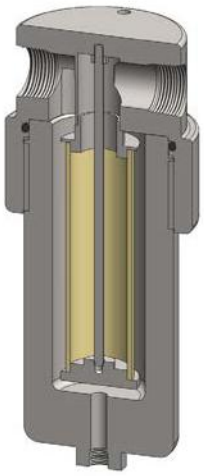
Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

SS328 series filter housings are specified for 400 Bar 3/4" and 1" line size applications. For applications up to 100 Bar see the SS325 series and for up to 200 Bar see the SS326 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS328.501**	**SS328.521**	**SS328.541**	**SS328.601**	**SS328.621**	**SS328.641**
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400	400
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Adsorber Cartridge Code (6)	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐	38.152.AD☐
Principal Dimensions in mm						
Diameter	110	110	110	110	110	110
Height	287	287	287	287	287	287
Volume, cc	710	710	710	710	710	710
Weight, kg	15.9	15.9	15.9	15.9	15.9	15.9
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSS328	MBSS328	MBSS328	MBSS328	MBSS328	MBSS328

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS328.501.T)

(5) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

(6) Replace the ☐ with the type required, e.g. 38.152.AD01

SiS328
Filter Housing

Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

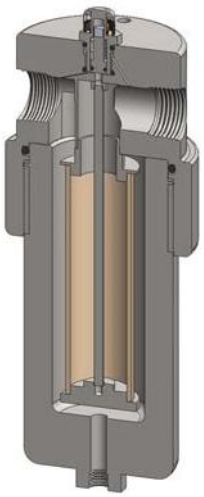
The SiS328 series filter housings with differential pressure indicators are specified for 400 Bar 3/4" and 1" line size applications. For applications up to 100 Bar see the SiS325 series and for up to 200 Bar see the SiS326 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

See data sheet CF/2.0/139 for more details about the DPI.



Technical Specifications

Housing Model (1)	**SiS328.501**	**SiS328.521**	**SiS328.541**	**SiS328.601**	**SiS328.621**	**SiS328.641**
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	400	400	400	400	400	400
Maximum Temperature, ºC (2)	100	100	100	100	100	100
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (6)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Principal Dimensions in mm						
Diameter	110	110	110	110	110	110
Height	319	319	319	319	319	319
Volume, cc	710	710	710	710	710	710
Weight, kg	16.9	16.9	16.9	16.9	16.9	16.9
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSiS328	MBSiS328	MBSiS328	MBSiS328	MBSiS328	MBSiS328

Notes

(1) Change part number to SeS328 for the electrical DPI version

(2) Maximum temperature 100ºC due to differential pressure indicator

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS328.221.E)

(6) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

SG421
Filter Housing

Materials	**316L SS & Pyrex**
Pressure	**7 Bar**
Ports	**3/4" or 1"**
Element	**51.230.☐**

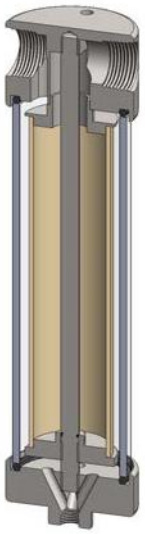
SG421 series filter housings are specified for low pressure 3/4" and 1" line size applications up to 7 bar.

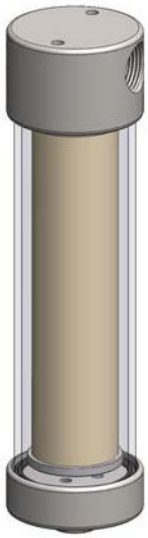
The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.





Bowl guard not shown

Technical Specifications

Housing Model	**SG421.521**	**SG421.621**
Port Size	3/4" NPT	1" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC	100	100
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Bowl	Pyrex	Pyrex
Seals (2)	Viton	Viton
Filter Element Code (3)	51.230.☐	51.230.☐
Adsorber Cartridge Code (4)	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm		
Diameter	90	90
Height	346	346
Volume, cc	950	950
Weight, kg	3.5	3.5
Accessories		
Support Core	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG421.521.N)

(3) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(4) Replace the ☐ with the type required, e.g. 51.230.AD01

SS424
Filter Housing

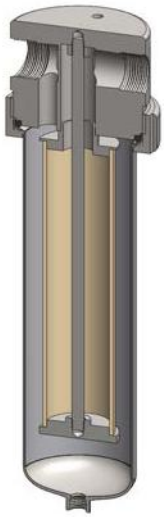
Materials	**316L Stainless Steel**
Pressure	**35 Bar**
Ports	**3/4" or 1"**
Element	**51.230.☐**

SS424 series filter housings are specified for 3/4" and 1" line size applications up to 35 bar. For applications over 35 bar higher pressure versions are available, see the SS425, SS426, and SS428 filter housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS424.521**	**SS424.621**
Port Size	3/4" NPT	1" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	35	35
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Element Code (5)	51.230.☐	51.230.☐
Adsorber Cartridge Code (6)	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm		
Diameter	110	110
Height	388	388
Volume, cc	1350	1350
Weight, kg	7.8	7.8
Accessories		
Support Core	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS424.521.N)

(5) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the ☐ with the type required, e.g. 51.230.AD01

SS425 & SHS425
Filter Housing

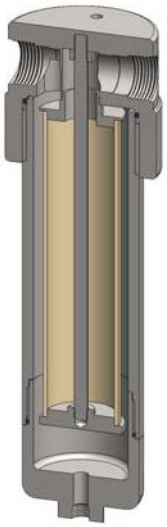
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1" to 2"**
Element	**51.230.☐**

SS425 series filter housings are specified for 1" line size applications up to 100 bar. The SHS425 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications over 100 Bar high pressure versions are available, see the SS426 and SS428 filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS425.621	SS425.641	SHS425.721	SHS425.741	SHS425.821	SHS425.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐
Adsorber Cartridge Code (6)	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm						
Diameter	110	110	180	180	180	180
Height	388	388	396	396	406	406
Volume, cc	1350	1350	1550	1550	1550	1550
Weight, kg	16	16	24.5	25.5	27.5	27.5
Accessories						
Support Core	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42	MBSHS42	MBSHS42	MBSHS42	MBSHS42

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS425.621.N)

(5) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the ☐ with the type required, e.g. 51.230.AD01

SS426 & SHS426
Filter Housing

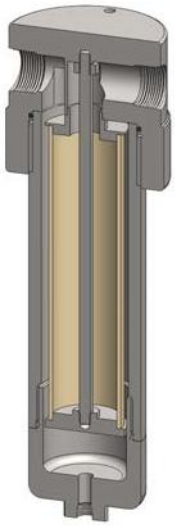
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1" to 2"**
Element	**51.230.☐**

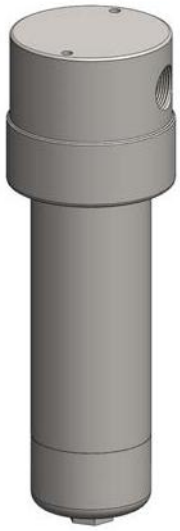
SS426 series filter housings are specified for 1" line size applications up to 200 bar. The SHS426 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications over 200 Bar high pressure versions are available, see the SS428 filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.





Technical Specifications

Housing Model	SS426.621	SS426.641	SHS426.721	SHS426.741	SHS426.821	SHS426.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200	200
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐
Adsorber Cartridge Code (6)	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm						
Diameter	110	110	180	180	180	180
Height	388	388	418	418	428	428
Volume, cc	1400	1400	1450	1450	1450	1450
Weight, kg	23	23	38	38	41	41
Accessories						
Support Core	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42
Mounting Bracket	MBSS426	MBSS426	MBSHS426	MBSHS426	MBSHS426	MBSHS426

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS425.621.N)

(5) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the ☐ with the type required, e.g. 51.230.AD01

SS428 & SHS428
Filter Housing

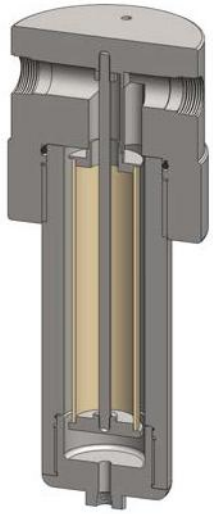
Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**1" to 2"**
Element	**51.230.☐**

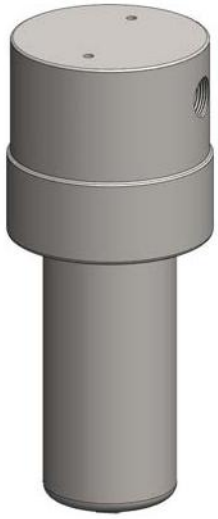
SS428 series filter housings are specified for 1" line size applications up to 400 bar. The SHS428 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications less than 200 bar see the SS425 and SS426 series filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.





Technical Specifications

Housing Model	**SS428.621**	**SS428.641**	**SHS428.721**	**SHS428.741**	**SHS428.821**	**SHS428.841**
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400	400
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐
Adsorber Cartridge Code (6)	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm						
Diameter	164	164	200	200	200	200
Height	409	409	488	488	498	498
Volume, cc	1450	1450	1500	1500	1500	1500
Weight, kg	38	38	64	64	67	67
Accessories						
Support Core	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42	MBSHS428	MBSHS428	MBSHS428	MBSHS428

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS428.621.N)

(5) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the ☐ with the type required, e.g. 51.230.AD01

SS434
Filter Housing

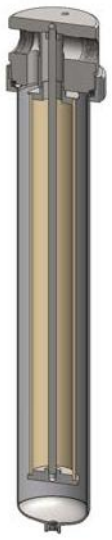
Materials	**316L Stainless Steel**
Pressure	**35 Bar**
Ports	**3/4" to 2"**
Element	**51.476.☐**

SS434 series filter housings are specified for 3/4", 1" or 2" line size applications up to 35 bar. For applications over 35 bar higher pressure versions are available, see the SS435, SS436, and SS438 filter housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS434.521**	**SS434.621**	**SS434.721**	**SS434.821**
Port Size	3/4" NPT	1" NPT	1&1&2" NPT	2" NPT
Drain	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	35	35	35	35
Maximum Temperature, ºC (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.476.☐	51.476.☐	51.476.☐	51.476.☐
Adsorber Cartridge Code (6)	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐
Principal Dimensions in mm				
Diameter	110	110	140	140
Height	638	638	655	655
Volume, cc	2450	2450	2510	2510
Weight, kg	8.9	8.9	11.3	11.3
Accessories				
Support Core	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42	MBSS42	MBSS42

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS434.521.T)

(5) Replace the ☐ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(6) Replace the ☐ with the type required, e.g. 51.476.AD01

SS435 & SHS435
Filter Housing

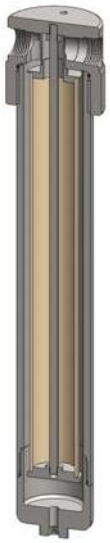
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1" to 2"**
Element	**51.476.☐**

SS435 series filter housings are specified for 1" line size applications up to 100 bar. The SHS435 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications over 100 Bar high pressure versions are available, see the SS436 and SS438 filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS435.621	SS435.641	SHS435.721	SHS435.741	SHS435.821	SHS435.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐
Adsorber Cartridge Code (6)	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐
Principal Dimensions in mm						
Diameter	110	110	180	180	180	180
Height	368	368	642	642	652	652
Volume, cc	2350	2350	2450	2450	2450	2450
Weight, kg	16.3	16.3	28	28	31	31
Accessories						
Support Core	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42	MBSHS42	MBSHS42	MBSHS42	MBSHS42

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS435.621.N)

(5) Replace the ☐ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(6) Replace the ☐ with the type required, e.g. 51.476.AD01

SS436 & SHS436
Filter Housing

Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1" to 2"**
Element	**51.476.☐**

SS436 series filter housings are specified for 1" line size applications up to 200 bar. The SHS436 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications over 200 Bar high pressure versions are available, see the SS438 filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

Technical Specifications

Housing Model	SS436.621	SS436.641	SHS436.721	SHS436.741	SHS436.821	SHS436.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200	200
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐
Adsorber Cartridge Code (6)	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐
Principal Dimensions in mm						
Diameter	120	120	180	180	180	180
Height	625	625	664	664	674	674
Volume, cc	2500	2500	2550	2550	2550	2550
Weight, kg	18.9	18.9	42	42	45	45
Accessories						
Support Core	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS426	MBSS426	MBSHS426	MBSHS426	MBSHS426	MBSHS426

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS435.621.N)

(5) Replace the ☐ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(6) Replace the ☐ with the type required, e.g. 51.476.AD01

SS438 & SHS438
Filter Housing

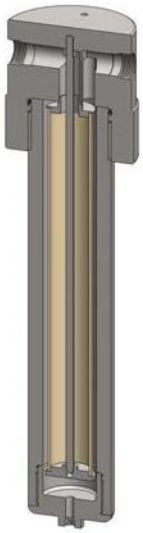
Materials	**316L Stainless Steel**
Pressure	**400 Bar**
Ports	**1" to 2"**
Element	**51.476.☐**

SS438 series filter housings are specified for 1" line size applications up to 400 bar. The SHS438 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications less than 200 bar see the SS435 and SS436 series filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SS438.621**	**SS438.641**	**SHS438.721**	**SHS438.741**	**SHS438.821**	**SHS438.841**
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400	400
Maximum Temperature, ºC (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐
Adsorber Cartridge Code (6)	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐
Principal Dimensions in mm						
Diameter	164	164	200	200	200	200
Height	655	655	734	734	744	744
Volume, cc	2550	2550	2600	2600	2600	2600
Weight, kg	49	49	86	86	89	89
Accessories						
Support Core	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42	MBSHS428	MBSHS428	MBSHS428	MBSHS428

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS438.621.N)

(5) Replace the ☐ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(6) Replace the ☐ with the type required, e.g. 51.476.AD01

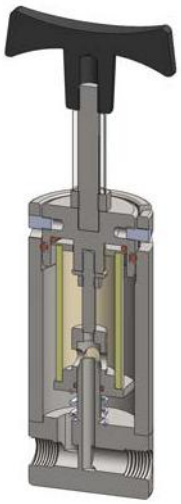
HST Series
Heatable Filter Housing

Materials 316L SS
Pressure 7 Bar
Ports 1/8" or 1/4"
Element 12.32.☐ to 25.178.☐

The HST series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body , installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the side of the housing and a tie rod & element retainer.

Standard housings have NPT ports and include silicone seals. Viton seals are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	HST111.101	HST111.201	HST121.101	HST121.201	HST211.201	HST231.201
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, ºC	200	200	200	200	200	200
Port Position	Sides	Sides	Sides	Sides	Sides	Sides
Internals Type	Tie Rod	Tie Rod	Tie Rod	Tie Rod	Tie Rod	Tie Rod
Materials of Construction (1)						
Head & Internals	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seals (2)	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
Filter Element Code (3)	12.32.☐	12.32.☐	12.57.☐	12.57.☐	25.64.☐	25.178.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	57	57
Height of Body	93.5	93.5	118.5	118.5	133	247
Length of Handle	45	45	45	45	90	90
Volume, cc	30	30	40	40	100	220
Weight, kg	0.5	0.5	0.5	0.5	1.9	2.8

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HST111.201.V)

(3) Replace the ☐ with the grade required, e.g. 12.32.5S

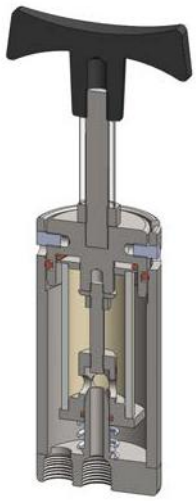
HRT Series
Heatable Filter Housing

Materials	**316L SS**
Pressure	**7 Bar**
Ports	**1/4”**
Element	**25.64.☐ & 25.178.☐**

The HRT series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body , installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the end of the housing and a tie rod & element retainer.

Standard housings have NPT ports and include silicone seals. Viton seals are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**HRT211.201**	**HRT231.201**
Port Size	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC	200	200
Port Position	End	End
Internals Type	Tie Rod	Tie Rod
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Seals (2)	Silicone	Silicone
Filter Element Code (3)	25.64.☐	25.178.☐
Principal Dimensions in mm		
Diameter	53	53
Height of Body	113	227
Length of Handle	90	90
Volume, cc	100	220
Weight, kg	1.25	2.0

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HST211.201.V)

(3) Replace the ☐ with the grade required, e.g. 25.64.5S

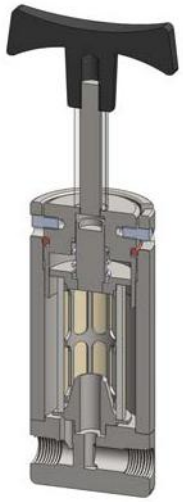
HSS Series
Heatable Filter Housing

Materials	**316L SS**
Pressure	**7 Bar**
Ports	**1/4”**
Element	**25.64.☐ & 25.178.☐**

The HSS series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body , installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the side of the housing and a support core to hold the element.

Standard housings have NPT ports and include silicone seals. Viton seals are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**HSS211.201**	**HSS231.201**
Port Size	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC	200	200
Port Position	Sides	Sides
Internals Type	Support	Support
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Seals (2)	Silicone	Silicone
Filter Element Code (3)	25.64.☐	25.178.☐
Principal Dimensions in mm		
Diameter	57	57
Height of Body	133	247
Length of Handle	90	90
Volume, cc	100	220
Weight, kg	1.9	2.8

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HSS211.201.V)

(3) Replace the ☐ with the grade required, e.g. 25.64.5S

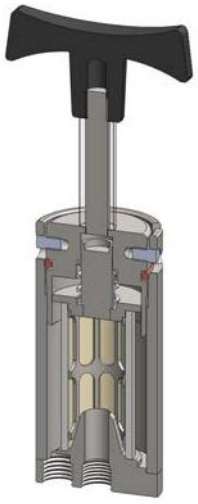
HRS Series
Heatable Filter Housing

Materials 316L SS
Pressure 7 Bar
Ports 1/4”
Element 25.64.☐ & 25.178.☐

The HRS series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body , installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the end of the housing and a support core to hold the element.

Standard housings have NPT ports and include silicone seals. Viton seals are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	HRS211.201	HRS231.201
Port Size	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC	200	200
Port Position	End	End
Internals Type	Support	Support
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Seals (2)	Silicone	Silicone
Filter Element Code (3)	25.64.☐	25.178.☐
Principal Dimensions in mm		
Diameter	53	53
Height of Body	113	227
Length of Handle	90	90
Volume, cc	100	220
Weight, kg	1.25	2.0

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HSS211.201.V)

(3) Replace the ☐ with the grade required, e.g. 25.64.5S

SF Series
Fast Loop (Bypass) Filter Housing

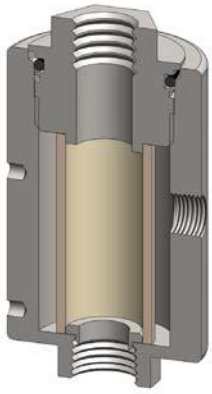
Materials	**316L Stainless Steel**
Pressure	**100 or 350 Bar**
Ports	**1/4" to 1"**
Element	**12.32.☐ to 51.230.☐**

The SF series housings are designed for fast loop and bypass applications. The internal volume is kept to a minimum for a fast response time. The straight-through flow design gives a flushes the filter elements to increase the service life.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC where required.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SF117.221**	**SF127.221**	**SF215.421**	**SF235.421**	**SF425.421**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1" NPT
Sample Outlet	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Bar (1)	350	350	100	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.32.☐	12.57.☐	25.64.☐	25.178.☐	51.230.☐
Principal Dimensions in mm					
Diameter	50	50	63	63	100
Height	71	96	115	232	331
Volume, cc	15	26	95	245	840
Weight, kg	0.8	1.0	1.6	3.3	10.0

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperature up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SL215.421.T)

(5) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S20V

SL Series
In-Line Filter Housing

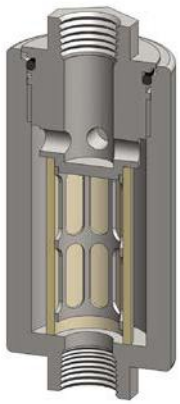
Materials	**316L Stainless Steel**
Pressure	**100 or 350 Bar**
Ports	**1/4" or 1/2"**
Element	**12.32.☐ to 25.178.☐**

The SL series filter housings are specified for in-line particulate applications. They are specified for lightly contaminated gases or liquids where service intervals are long or for last-chance or back-up filters.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC where required.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**SL117.201**	**SL127.201**	**SL127.401**	**SL215.401**	**SL235.401**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Bar (1)	350	350	350	100	100
Maximum Temperature, ºC (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Element Code (5)	12.32.☐	12.57.☐	12.57.☐	25.64.☐	25.178.☐
Principal Dimensions in mm					
Diameter	36	36	36	60	60
Height	86	111	112	135	248
Volume, cc	15	25	25	100	245
Weight, kg	0.4	0.5	0.6	1.8	3.0

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperature up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SL215.421.T)

(5) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S20V

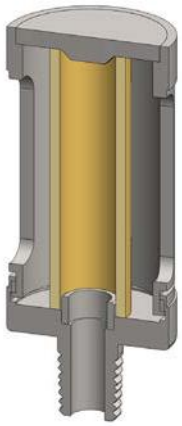
SE Series
End of Line Filter Housing

Materials 316L Stainless Steel
Ports 1/8" to 1/4"
Element 12.32.☐ to 25.64.☐

The SE series filter housings are constructed entirely from 316L stainless steel and supplied with a range of port sizes.

The element is enclosed for protection and the housings are suitable for gas and liquid end of line applications.

These housings have NPT ports as standard.



Technical Specifications

Housing Model	SE110.101	SE110.201	SE120.101	SE120.201	SE210.201	SE210.401
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT
Maximum Temperature, ºC	200	200	200	200	200	200
Materials of Construction (1)						
Head & Body	316L	316L	316L	316L	316L	316L
Filter Element Code	12.32.☐	12.32.☐	12.57.☐	12.57.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code	12.32.AD☐	12.32.AD☐	12.57.AD☐	12.57.AD☐	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm						
Diameter	36	36	36	36	48	48
Height	38	38	63	63	71	71
Weight, kg	0.15	0.15	0.2	0.2	0.4	0.4

Notes

(1) Material abbreviations, 316L = 316L Stainless Steel

(2) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S20V, 12.32.T20

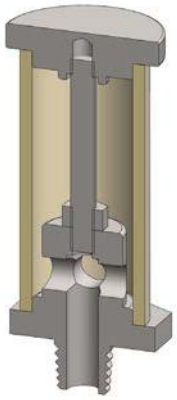
SO Series
End of Line Filter Housing

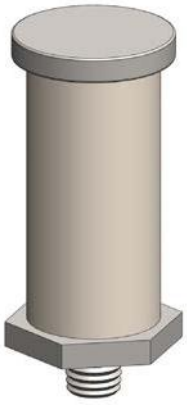
Materials 316L Stainless Steel
Ports 1/8" to 1/2"
Element 12.32.☐ to 25.64.☐

The SO series filter housings are constructed entirely from 316L stainless steel and are supplied with a range of connections.

The housings are suitable for gas and liquid end of line applications.

These housings have NPT male ports as standard.





Technical Specifications

Housing Model	SO110.101	SO110.201	SO120.101	SO120.201	SO210.201	SO210.401	SO230.201	SO230.401
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Temperature, ºC	200	200	200	200	200	200	200	200
Materials of Construction (1)								
Head & Body	316L	316L	316L	316L	316L	316L	316L	316L
Filter Element Code (3)	12.32.☐	12.32.☐	12.57.☐	12.57.☐	25.64.☐	25.64.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (4)	12.32.AD☐	12.32.AD☐	12.57.AD☐	12.57.AD☐	25.64.AD☐	25.64.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm								
Diameter	19	19	19	19	38	38	38	38
Height	40	40	65	65	76	76	190	190
Weight, kg	0.1	0.1	0.1	0.1	0.15	0.15	0.17	0.17

Notes

(1) Material abbreviations, 316L Stainless Steel

(2) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

DN103
Automatic Float Drain

Materials	**316L SS & Polyamide**
Pressure	**17 Bar**
Ports	**1/8" or 1/4"**

The DN105 automatic drains are used to remove liquids from a coalescing filter housing under positive pressure. The body is constructed from 316L stainless steel and the internals are a proprietary float drain assembly. This housing should only be used in non-corrosive applications as the internals are use polyamide. See the DF105 series for housings that have internals constructed entirely from stainless steel.

The housing has a male inlet port and this always it to be connected directly to the drain port of the coalescing filter housing. Standard housings have NPT ports and include Viton seals. Other seals types are available as an option.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	**DN103.111**	**DN103.221**
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	17	17
Minimum Pressure, Bar	1	1
Maximum Temperature, ºC	80	80
Materials of Construction (1)		
Head & Bowl	316L SS	316L SS
Internals	PA	PA
Seal (2)	Viton	Viton
Principal Dimensions in mm		
Diameter	48	48
Height	95	95
Volume, cc	40	40
Weight, kg	0.65	0.65

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel, PA = Polyamide

(2) Add suffix for other seal types, Nitrile = N, EPDM = .E, Silicone = .S, (e.g. DN103.221.E)

DF105
Automatic Float Drain

Materials	**316L SS**
Pressure	**35 Bar**
Ports	**1/8" to 1/2"**

The DF105 automatic drains are used to automatically remove liquids from a coalescing filter housing under positive pressure. The body and internals are constructed from 316L stainless steel.

The unique design uses a float and diaphragm system to drain the liquid. The housing has a male inlet port and this is connected directly to the drain port of the coalescing filter housing. Standard housings have NPT ports and include Viton seals. Other seal types are available as an option.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	**DF105.111**	**DF105.221**	**DF105.441**
Port Size	1/8" NPT	1/4" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	35	35	35
Minimum Pressure, Bar	0.7	0.7	0.7
Maximum Temperature, ºC	100	100	100
Materials of Construction (1)			
Head, Bowl & Internals	316L SS	316L SS	316L SS
Seal (2)	Viton	Viton	Viton
Principal Dimensions in mm			
Diameter	48	48	48
Height	121	121	121
Volume, cc	48	48	48
Weight, kg	1.0	1.0	1.0

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Nitrile = N, EPDM = .E, (e.g. DF105.221.E)

DG111 & DS112
Drain Vessel

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

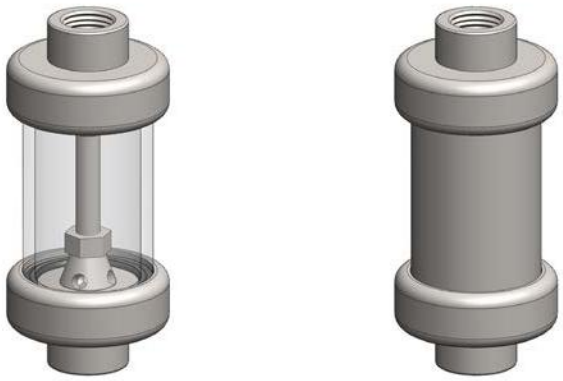
The DG111 & DS112 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG111.111	DG111.221	DS112.111	DS112.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, ºC (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	89	89	89	89
Volume, cc	25	25	25	25
Weight, kg	0.3	0.3	0.35	0.35

Notes

(1) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG111.221.T)

DG121 & DS122
Drain Vessel

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

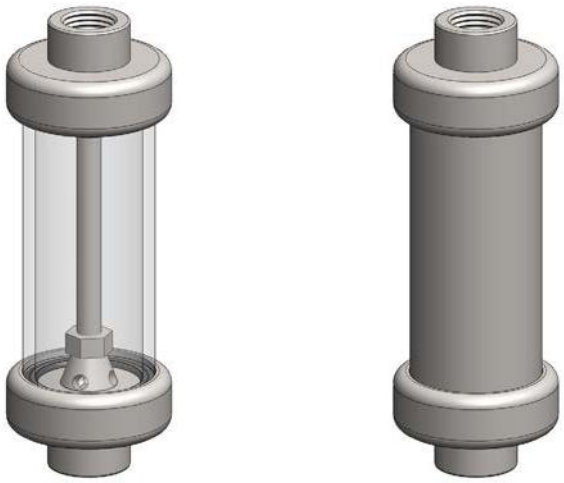
The DG121 & DS122 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG121.111	DG121.221	DS122.111	DS122.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, ºC (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	114	114	114	114
Volume, cc	35	35	35	35
Weight, kg	0.35	0.35	0.4	0.4

Notes

(1) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG1211.221.T)

DS127
Drain Vessel

Materials	**316L SS**
Pressure	**350 Bar**
Ports	**1/8" or 1/4"**

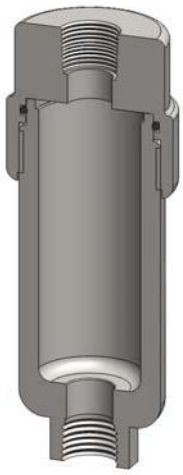
The DS127 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	**DS127.111**	**DS127.221**
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	350	350
Maximum Temperature, ºC (1)	200	200
Materials of Construction (2)		
Head & Bowl	316L SS	316L SS
Seals (3)	Viton	Viton
Principal Dimensions in mm		
Diameter	40	40
Height	114	114
Volume, cc	35	35
Weight, kg	0.35	0.35

Notes

(1) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG1211.221.T)

DG211 & DS212
Drain Vessel

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

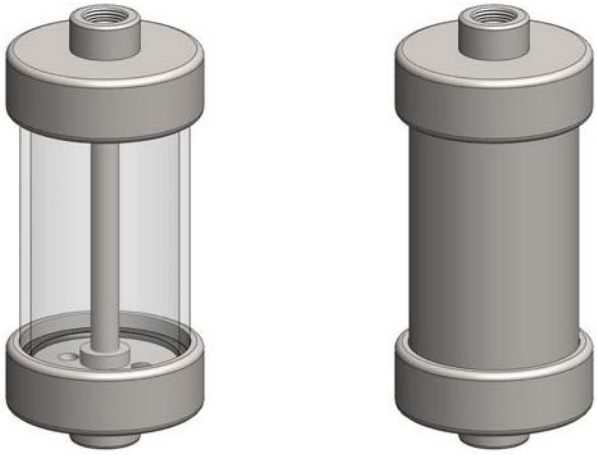
The DG211 & DS212 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG211.111	DG211.221	DS212.111	DS212.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, ºC (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	114	114	114	114
Volume, cc	105	105	105	105
Weight, kg	0.65	0.65	0.7	0.7

Notes

(1) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG211.221.T)

DS215
Drain Vessel

Materials 316L SS
Pressure 100 Bar
Ports 1/4" or 1/2"

The DS215 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used. They are constructed entirely from 316L stainless steel.

Standard housings have NPT ports and include a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

Technical Specifications

Housing Model	DS215.221	DS215.441
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head & Bowl	316L SS	316L SS
Seal (4)	Viton	Viton
Principal Dimensions in mm		
Diameter	63	63
Height	128.5	128.5
Volume, cc	105	105
Weight, kg	1.35	1.35

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG211.221.T)

DG231 & DS232
Drain Vessel

Materials	**316L SS & Pyrex Glass**
Pressure	**7 & 10 Bar**
Ports	**1/8" or 1/4"**

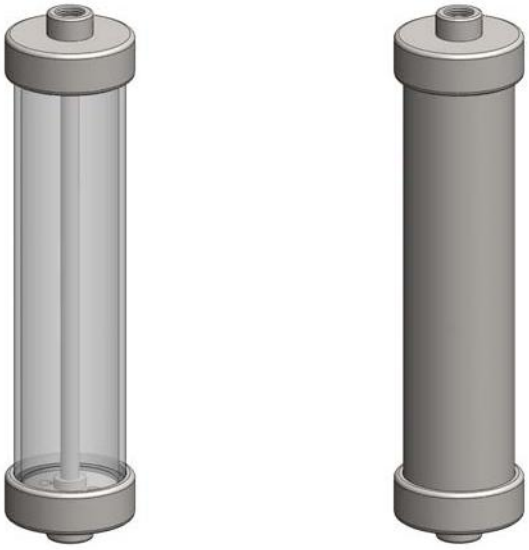
The DG231 & DS232 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG231.111	DG231.221	DS232.111	DS232.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, ºC (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	56	56	56	56
Height	239	239	239	239
Volume, cc	255	255	255	255
Weight, kg	0.9	0.9	1.0	1.0

Notes

(1) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG231.221.T)

DS235
Drain Vessel

Materials	**316L SS**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**

The DS235 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used. They are constructed entirely from 316L stainless steel.

Standard housings have NPT ports and include a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.

Technical Specifications

Housing Model	**DS235.221**	**DS235.441**
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head & Bowl	316L SS	316L SS
Seal (4)	Viton	Viton
Principal Dimensions in mm		
Diameter	63	63
Height	241.5	421.5
Volume, cc	255	255
Weight, kg	1.9	1.9

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal. For temperatures up to 324ºC use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DS235.221.T)

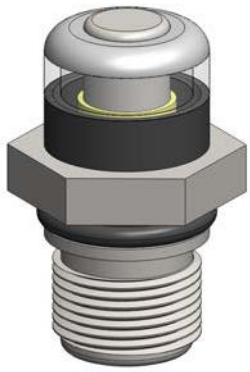
SSDPI
Differential Pressure Indicators

Materials 316L Stainless Steel
Pressure Up to 1050 Bar

SSDPI series differential pressure indicators are specified for applications up to 1050 Bar. They monitor the pressure differential across to ports and as it increases the indicator will show yellow and then red. A selection of pressure ranges for the spring are available and custom pressure ranges can also be supplied.

Standard housings have metric threads and Viton seals. Other seal types are available as an option and other thread types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are suitable for use with housings that are CE marked in accordance with PED 97/23/EC.



Technical Specifications

Housing Model (1)	**SSDPI.8.□**	**SSDPI.9.□**	**SSDPI.10.□**
Maximum Pressure, Bar	400	700	1050
Maximum Temperature, ºC (2)	100	100	100
Materials of Construction (3)			
Head, Bowl & Internals	316L SS	316L SS	316L SS
Magnet (4)	Neodymium	Neodymium	Neodymium
Cover	Acrylic	Acrylic	Acrylic
Seals (5)	Viton	Viton	Viton
Principal Dimensions in mm			
Hexagon	25 AF	25 AF	30 AF
Overall Height	42	42	42
Thread Size	M18 x 1.5	M20 x 1.5	M20 x 1.5
Pressure Range Suffix			
0 to 0.5 Bar	0-0.5	0-0.5	0-0.5
0 to 1.0 Bar	0-1	0-1	0-1
0 to 2.0 Bar	0-2	0-2	0-2
0 to 3.0 Bar	0-3	0-3	0-3
0 to 5.0 Bar	0-5	0-5	0-5

Notes

(1) Add pressure range suffix to the part number, e.g. SSDPI.9.0-0.5

(2) Maximum temperature 100ºC due to differential pressure indicator materials

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) The magnet is electoplated with Ni-Cu-Ni

(5) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SSDPI.8.0-5.E)

RSP103 & RSS103
Regulator

Materials 316L Stainless Steel
Pressure 17 Bar
Ports 1/8" or 1/4"

RSP103 and RSS103 regulator housings are specified for 1/8" & 1/4" line size applications.

The housings are constructed from 316L stainless steel with a stainless steel or plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix.

Standard housings have NPT ports and Viton seals.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	RSP103.101	RSP103.201	RSS103.101	RSS103.201
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	17	17	17	17
Maximum Temperature, ºC	60	60	60	60
Materials of Construction (1)				
Body	316L SS	316L SS	316L SS	316L SS
Bonnet	Plastic	Plastic	316L SS	316L SS
Seal & Diapragm	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	78	78	78	78
Weight, kg	0.25	0.25	0.37	0.37
Type Suffix (2)				
Relieving	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR
Spring Suffix (2)				
0-2 Bar	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120
Accessories				
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (3)	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RSS103.201.N.120)

(3) Add suffix for pressure range, (e.g. PRGA10.120)

RSP113
Filter Regulator

Materials 316L Stainless Steel
Pressure 17 Bar
Ports 1/8" & 1/4"
Element 12.32.☐

RSP113 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from 316L stainless steel with a plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix.

Standard housings have NPT ports and Viton seals.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	RSP113.101	RSP113.111	RSP113.161	RSP113.201	RSP113.221	RSP113.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	60	60	60	60	60	60
Materials of Construction (1)						
Body	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bonnet	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	151	151	166	151	151	166
Weight, kg	0.66	0.66	0.66	0.66	0.66	0.66
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (3)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RSP113.201.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

RSS113
Filter Regulator

Materials 316L Stainless Steel
Pressure 17 Bar
Ports 1/8" & 1/4"
Element 12.32.☐

RSS113 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from 316L stainless steel with a stainless steel bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix.

Standard housings have NPT ports and Viton seals.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	RSS113.101	RSS113.111	RSS113.161	RSS113.201	RSS113.221	RSS113.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	60	60	60	60	60	60
Materials of Construction (1)						
Body	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bonnet	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	151	151	166	151	151	166
Weight, kg	0.78	0.78	0.78	0.78	0.78	0.78
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (3)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RSS113.201.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

RSP123
Filter Regulator

Materials 316L Stainless Steel
Pressure 17 Bar
Ports 1/8" & 1/4"
Element 12.57.☐

RSP123 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from 316L stainless steel with a plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix.

Standard housings have NPT ports and Viton seals.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	RSP123.101	RSP123.111	RSP123.161	RSP123.201	RSP123.221	RSP123.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	60	60	60	60	60	60
Materials of Construction (1)						
Body	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bonnet	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	175	175	190	175	175	190
Weight, kg	0.75	0.75	0.75	0.75	0.75	0.75
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (3)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Replace the ☐ with the grade required, e.g. 12.57.5K, 12.57.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RSP123.201.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

RSS123
Filter Regulator

Materials 316L Stainless Steel
Pressure 17 Bar
Ports 1/8" & 1/4"
Element 12.57.☐

RSS123 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from 316L stainless steel with a stainless steel bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix.

Standard housings have NPT ports and Viton seals.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of PED 97/23/EC.

Technical Specifications

Housing Model	RSS123.101	RSS123.111	RSS123.161	RSS123.201	RSS123.221	RSS123.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	60	60	60	60	60	60
Materials of Construction (1)						
Body	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Bonnet	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	175	175	190	175	175	190
Weight, kg	0.87	0.87	0.87	0.87	0.87	0.87
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (3)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Replace the ☐ with the grade required, e.g. 12.57.5K, 12.57.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RSS123.201.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

FML101
Membrane Housing

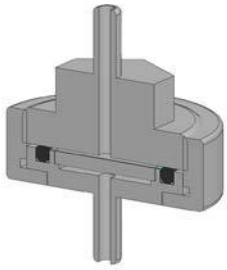
Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/4" & 1/8" Spigot or NPT**
Membrane	**MT.33.☐**

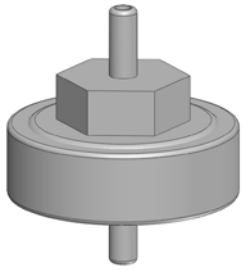
FML101 membrane housings use a porous PTFE membrane, which is supported by a sintered porous PTFE disc on the outlet side. Any liquid in the gas sample will be prevented from passing through the membrane.

The housing design allows a quick change of the membrane by unscrewing a retaining collar.

Standard housings have 1/4" diameter push-on spigots or female NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Special housings can also be produced with different connections and membrane sizes.





Technical Specifications

Housing Model	**FML101.101**	**FML101.201**	**FML101.209**
Port Size	1/8" NPT (F)	1/4" NPT (F)	1/4" Spigot
Maximum Pressure, Bar	7	7	7
Maximum Temperature, ºC (1)	150	150	150
Materials of Construction (2)			
Head, Bowl & Internals	PTFE	PTFE	PTFE
Seal (3)	Viton	Viton	Viton
Membrane Code (4)	MT.33.☐	MT.33.☐	MT.33.☐
Principal Dimensions in mm			
Diameter	63	63	63
Height	47	47	47
Volume, cc	10	10	10
Weight, kg	0.15	0.15	0.15

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, PTFE = Polytetraflouroethane

(3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FML101.109.C)

(4) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

SM015
SP76 Modular Membrane Housing

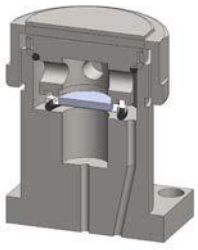
Materials	**316L SS**
Pressure	**100 Bar**
Ports	**SP76 & 1/8"**
Membrane	**MT.19.☐**

The SM015 series SP76 membrane housings are designed for SP76 compliant modular sample systems. The housings use a porous PTFE membrane which is supported by a sintered porous stainless steel disc on the outlet side.

Any liquid in the sample will flow to the 1/8" NPT drain port. The housings should only be used on substrates that are mounted in the horizontal plane with the drain port at the lowest point below the inlet and outlet ports.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.



Technical Specifications

Housing Model	**SM015.L11**	**SM015.R11**
Inlet/Outlet Connections	SP76	SP76
Drain	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC (1)	150	150
Flow Direction	Left to Right	Right to Left
Substrate Plane	Horizontal	Horizontal
Inlet	Hole 2	Hole 2
Outlet	Hole 3	Hole 1
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.19.☐	MT.19.☐
Principal Dimensions in mm		
Diameter	38	38
Height	48.5	48.5
Volume, cc	5	5
Weight, kg	0.3	0.3

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM015.L11.T)

(3) Replace the ☐ with the grade required, e.g. MT.19.M2

SM015
Membrane Housing

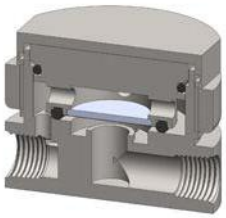
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/16" LV or 1/8”**
Membrane	**MT.19.☐**

SM015 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SM015.1/16LV**	**SM015.111**
Port Size	1/16" Low Vol. Fitting	1/8" NPT
Drain & Bypass Ports	1/16" Low Vol. Fitting	1/8" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.19.☐	MT.19.☐
Principal Dimensions in mm		
Diameter	38	38
Height	33	33
Volume, cc	5	5
Weight, kg	0.25	0.25
Accessories		
Mounting Bracket	MBSM015	MBSM015

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM015.111.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.19.M2

GSM105
Membrane Housing

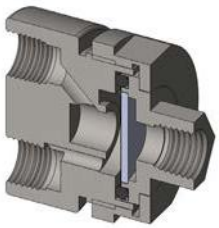
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/8" or 1/4”**
Membrane	**MT.33.☐**

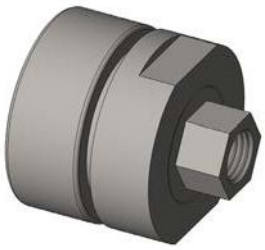
GSM105 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**GSM105.111**	**GSM105.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Port	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seal (3)	Viton	Viton
Membrane Code (4)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	50	50
Length	51.5	51.5
Volume, cc	3	3
Weight, kg	0.5	0.5
Accessories		
Mounting Bracket	MBGSM105	MBGSM105

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. GSM105.111.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

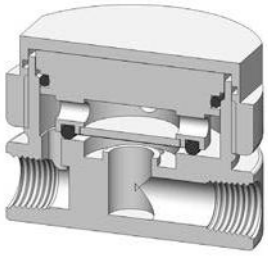
FM101
Membrane Housing

Materials PTFE
Pressure 7 Bar
Ports 1/8" or 1/4"
Membrane MT.33.☐

FM101 membrane housings use a porous PTFE membrane, which is supported by a sintered porous PTFE disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**FM101.111**	**FM101.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	PTFE	PTFE
Seals (3)	Viton	Viton
Membrane Code (4)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	63	63
Height	47	47
Volume, cc	10	10
Weight, kg	0.30	0.30
Accessories		
Mounting Bracket	MBSM106	MBSM106

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, PTFE = Polytetrafluoroethylene

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FM101.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

SM106
Membrane Housing

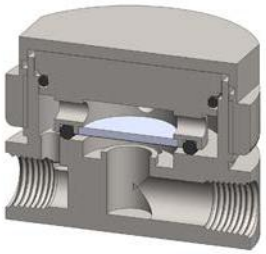
Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/8" or 1/4"
Membrane MT.33.☐

SM106 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM106.111	SM106.111.LB	SM106.221	SM106.221.LB
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	200	200	200	200
Maximum Temperature, ºC (1)	150	150	150	150
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Membrane Code (4)	MT.33.☐	MT.33.☐	MT.33.☐	MT.33.☐
Principal Dimensions in mm				
Diameter	63	63	63	63
Height	47	47	47	47
Volume, cc	10	10	10	10
Weight, kg	0.95	0.95	0.95	0.95
Accessories				
Mounting Bracket	MBSM106	MBSM106	MBSM106	MBSM106

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM106.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

STM106
Cyclone Membrane Housing

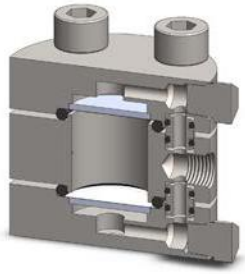
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/8" or 1/4"**
Membrane	**2x MT.33.☐**

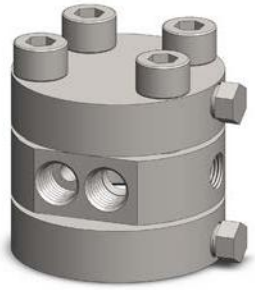
The STM106 membrane housings use two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows the membranes to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**STM106.111**	**STM106.211**
Inlet & Bypass Port Size	1/8" NPT	1/4" NPT
Outlet Port	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	200	200
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.33.☐	2x MT.33.☐
Principal Dimensions in mm		
Diameter	63	63
Height	47	47
Volume, cc	10	10
Weight, kg	0.95	0.95

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STM106.111.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

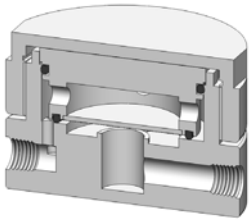
FM201
Membrane Housing

Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.61.☐**

FM201 membrane housings use a porous PTFE membrane, which is supported by a sintered porous PTFE disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**FM201.221**	**FM201.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	PTFE	PTFE
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.☐	MT.61.☐
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	1.10	1.10
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, PTFE = Polytetrafluoroethylene

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FM201.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.61.M2

SM202
Membrane Housing

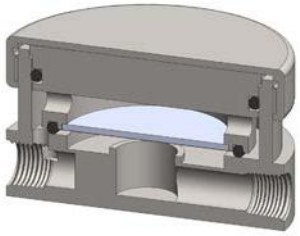
Materials	**316L Stainless Steel**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.61.☐**

SM202 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SM202.221**	**SM202.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	10	10
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.☐	MT.61.☐
Principal Dimensions in mm		
Diameter	100	100
Height	48.5	58.5
Volume, cc	25	30
Weight, kg	1.15	1.55
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, PTFE = Polytetrafluoroethylene

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM202.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.61.M2

SM206
Membrane Housing

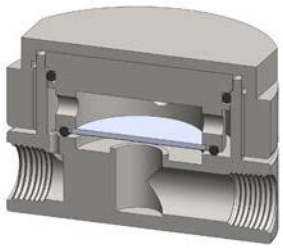
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.61.☐**

SM206 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM206.221	SM206.221.LB	SM206.441	SM206.441.LB
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200
Maximum Temperature, ºC (1)	150	150	150	150
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Membrane Code (4)	MT.61.☐	MT.61.☐	MT.61.☐	MT.61.☐
Principal Dimensions in mm				
Diameter	100	100	100	100
Height	65.5	65.5	65.5	65.5
Volume, cc	25	25	25	25
Weight, kg	3.35	3.35	3.35	3.35
Accessories				
Mounting Bracket	MBSM206	MBSM206	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM206.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.61.M2

SMD206
Membrane Housing

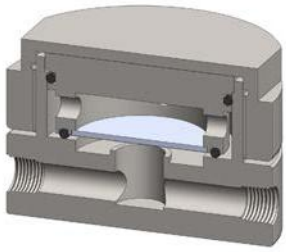
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.61.☐**

SMD206 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The inlet and drain ports are connect in a straight line for use in fast loop style applications.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SMD206.221**	**SMD206.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.☐	MT.61.☐
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SMD206.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.61.M2

SML206
Membrane Housing

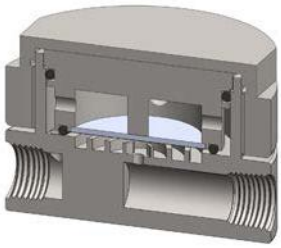
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.61.☐**

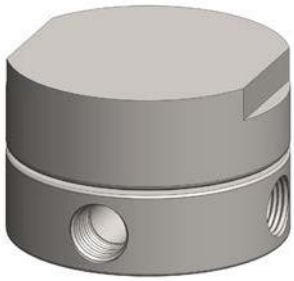
SML206 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The housing is designed to separate two fluid phases and a special flow path increases the contact time against the membrane face to increase the flow rate.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**SML206.221**	**SML206.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.☐	MT.61.☐
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SML206.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.61.M8

SM304
Membrane Housing

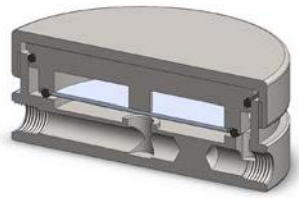
Materials	**316L Stainless Steel**
Pressure	**35 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.89.☐**

SM304 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SM304.221**	**SM304.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	35	35
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.89.☐	MT.89.☐
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM304.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.89.M2

STM304
Membrane Housing

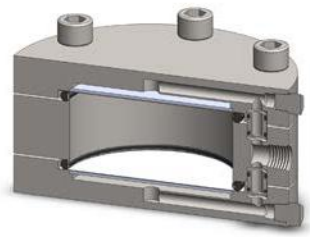
Materials	**316L Stainless Steel**
Pressure	**35 Bar**
Ports	**1/4" or 1/2"**
Membrane	**2x MT.89.☐**

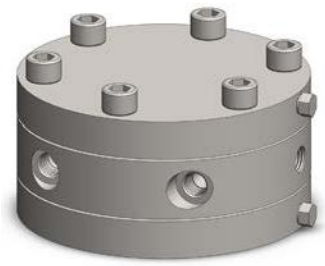
STM304 membrane housings uses two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows the membranes to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**STM304.221**	**STM304.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	35	35
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.89.☐	2x MT.89.☐
Principal Dimensions in mm		
Diameter	150	150
Height	74	89
Volume, cc	50	50
Weight, kg	7.50	7.50
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STM304.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.89.M2

SML304
Membrane Housing

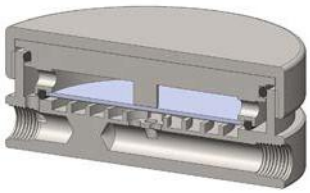
Materials	**316L Stainless Steel**
Pressure	**35 Bar**
Ports	**1/4" or 1/2"**
Membrane	**MT.89.☐**

SML304 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The housing is designed to separate two fluid phases and a special flow path increases the contact time against the membrane face to increase the flow rate.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SML304.221**	**SML304.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	35	35
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.89.☐	MT.89.☐
Principal Dimensions in mm		
Diameter	120	120
Height	46.5	65.5
Volume, cc	35	35
Weight, kg	2.35	3.15
Accessories		
Mounting Bracket	MBSM304	MBSM304

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SML304.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.89.M8

STML304
Membrane Housing

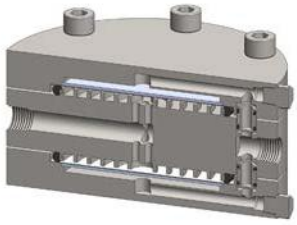
Materials	**316L Stainless Steel**
Pressure	**35 Bar**
Ports	**1/4" or 1/2"**
Membrane	**2x MT.89.☐**

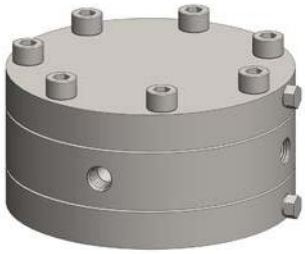
STML304 membrane housings use two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. The housing is designed to separate two liquid phases and a special flow path increases the contact time against the membrane face to increase the flow rate.

The housing design allows the membranes to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**STML304.221**	**STML304.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	35	35
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.89.☐	2x MT.89.☐
Principal Dimensions in mm		
Diameter	150	150
Height	83.5	83.5
Volume, cc	45	45
Weight, kg	9.1	9.1
Accessories		
Mounting Bracket	MBSM304	MBSM304

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SML304.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.89.M8

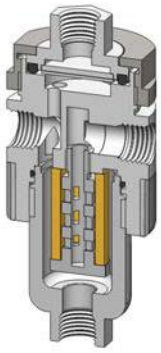
FM111
Filter & Membrane Housing

Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**
Membrane	**MT.33.☐**

FM111 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous PTFE disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**FM111.111**	**FM111.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	PTFE	PTFE
Seals (3)	Viton	Viton
Filter Element Code (4)	12.32.☐	12.32.☐
Membrane Code (5)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	50	50
Height	110	110
Volume, cc	35	35
Weight, kg	0.9	0.9
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

(1) Maximum temperature 150ºC using standard seal

(2) Material abbreviations, PTFE = Polytetrafluoroethylene

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FM111.221.T)

(4) Replace the ☐ with the element grade required, e.g. 12.32.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

SM115
Filter & Membrane Housing

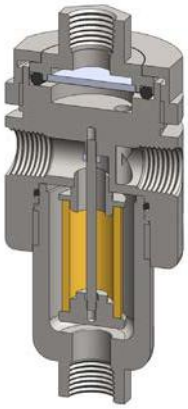
Materials	**316L Stainless Steel**
Pressure	**150 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**
Membrane	**MT.33.☐**

SM115 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SM115.111**	**SM115.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	150	150
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Filter Element Code (4)	12.32.☐	12.32.☐
Membrane Code (5)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	50	50
Height	110	110
Volume, cc	35	35
Weight, kg	0.9	0.9
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

(1) Maximum temperature 150ºC using standard seal

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM115.221.T)

(4) Replace the ☐ with the element grade required, e.g. 12.32.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

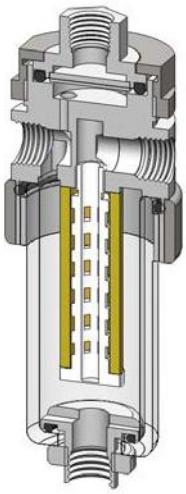
FGM121
Filter & Membrane Housing

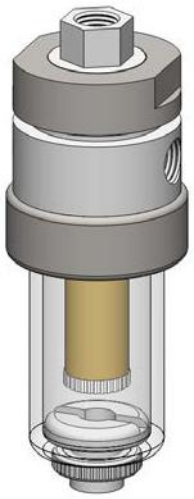
Materials	**PTFE & Pyrex Glass**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**
Membrane	**MT.33.☐**

FGM121 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous PTFE disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.





Technical Specifications

Housing Model	**FGM121.111**	**FGM121.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC (1)	100	100
Materials of Construction (2)		
Head & Internals	PTFE	PTFE
Bowl	Pyrex	Pyrex
Seals (3)	Viton	Viton
Filter Element Code (4)	12.57.☐	12.57.☐
Membrane Code (5)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	50	50
Height	145	145
Volume, cc	45	45
Weight, kg	0.6	0.6
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

(1) Maximum temperature of 100ºC is due to the Pyrex bowl

(2) Material abbreviations, PTFE = Polytetrafluoroethylene

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FGM121.221.T)

(4) Replace the ☐ with the element grade required, e.g. 12.57.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

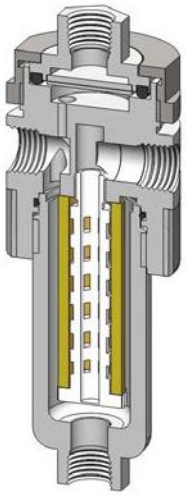
FM121
Filter & Membrane Housing

Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**
Membrane	**MT.33.☐**

FM121 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous PTFE disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**FM121.111**	**FM121.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	PTFE	PTFE
Seals (3)	Viton	Viton
Filter Element Code (4)	12.57.☐	12.57.☐
Membrane Code (5)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	50	50
Height	135	135
Volume, cc	45	45
Weight, kg	0.55	0.55
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, PTFE = Polytetrafluoroethylene

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FM121.221.T)

(4) Replace the ☐ with the element grade required, e.g. 12.57.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

SM125
Filter & Membrane Housing

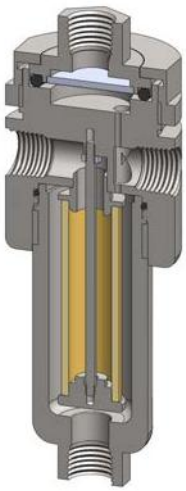
Materials	**316L Stainless Steel**
Pressure	**150 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**
Membrane	**MT.33.☐**

SM125 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SM125.111**	**SM125.221**
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	150	150
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Filter Element Code (4)	12.57.☐	12.57.☐
Membrane Code (5)	MT.33.☐	MT.33.☐
Principal Dimensions in mm		
Diameter	50	50
Height	135	135
Volume, cc	45	45
Weight, kg	1.0	1.0
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM125.221.T)

(4) Replace the ☐ with the element grade required, e.g. 12.57.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

SM215
Filter & Membrane Housing

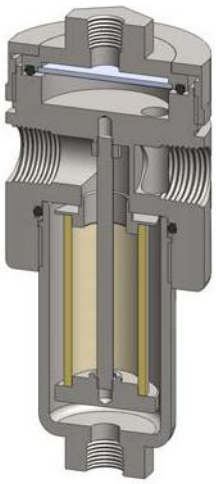
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**
Membrane	**MT.61.☐**

SM215 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	**SM215.221**	**SM215.421**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Filter Element Code (4)	25.64.☐	25.64.☐
Membrane Code (5)	MT.61.☐	MT.61.☐
Principal Dimensions in mm		
Diameter	75	75
Height	169	169
Volume, cc	135	135
Weight, kg	2.8	2.8
Accessories		
Mounting Bracket	MBSM215	MBSM215

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM215.221.T)

(4) Replace the ☐ with the element grade required, e.g. 25.64.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.61.M2

SM235
Filter & Membrane Housing

Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**
Membrane	**MT.61.☐**

SM235 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters the inlet port and then through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.

Technical Specifications

Housing Model	**SM235.221**	**SM235.421**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Filter Element Code (4)	25.178.☐	25.178.☐
Membrane Code (5)	MT.61.☐	MT.61.☐
Principal Dimensions in mm		
Diameter	75	75
Height	282	282
Volume, cc	285	285
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM215	MBSM215

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM235.221.T)

(4) Replace the ☐ with the element grade required, e.g. 25.178.5CK

(5) Replace the ☐ with the membrane grade required, e.g. MT.61.M2

STW106
Cyclone Filter Housing

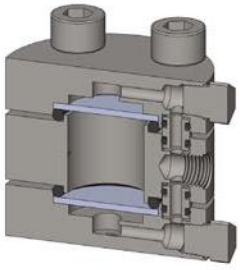
Materials	**316L Stainless Steel**
Pressure	**200 Bar**
Ports	**1/8" or 1/4"**
Filter Disc	**2x FD.33.☐**

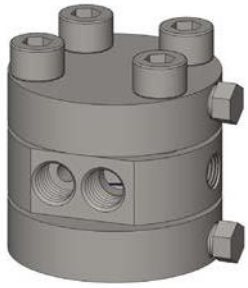
The STW105 series uses two stainless steel filter discs in one housing. A 'cyclone' effect is created as the sample enters the housing and proportion of it passes through the filters to the sample outlet port and the rest of the sample passes to the bypass port.

The housing design allows the filter discs to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**STW106.111**	**STW106.211**
Inlet & Bypass Port Size	1/8" NPT	1/4" NPT
Outlet Port	1/8" NPT	1/8" NPT
Maximum Pressure, Bar (1)	200	200
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Filter Disc Code (5)	2x FD.33.☐	2x FD.33.☐
Principal Dimensions in mm		
Diameter	63	63
Height	47	47
Volume, cc	20	20
Weight, kg	0.95	0.95

Notes

(1) Above 200ºC the pressure rating is reduced, consult us the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STW106.221.E)

(5) Replace the ☐ with the filter disc grade required, e.g. FD.33.S20V

SW205
'Cyclone' Disc Filter Housing

Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/4 or 1/2”**
Filter Disc	**FD.64.☐**

SW205 housings are designed to remove particulates from liquid samples. The inlet port is angled to create a 'cyclone' effect against a flat stainless steel filter disc. The sample passes through the filter to the outlet and the rest of the sample passes to the bypass port.

The housing design allows a quick change of the filter disc as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seals types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.

Technical Specifications

Housing Model	**SW205.221**	**SW205.441**
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Port	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, ºC (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Filter Disc Code (5)	FD.64.☐	FD.64.☐
Principal Dimensions in mm		
Diameter	100	100
Height	53.5	53.5
Volume, cc	35	35
Weight, kg	2.3	2.3
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

(1) Above 200ºC the pressure rating is reduced, consult us the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SW205.221.T)

(5) Replace the ☐ with the filter disc grade required, e.g. FD.64.S20V

AN112
Filter Housing

Materials	**Aluminium & Polyamide**
Pressure	**10 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**

AN112 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other sealtypes are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AN112.101**	**AN112.111**	**AN112.161**	**AN112.201**	**AN112.211**	**AN112.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (4)	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93.5	93.5	108	93.5	93.5	108
Volume, cc	25	25	25	25	25	25
Weight, kg	0.1	0.1	0.1	0.1	0.1	0.1
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AN112.201.E)

(3) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(4) Replace the ☐ with the type required, e.g. 12.32.AT01

AA113
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**

AA113 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AA113.101**	**AA113.111**	**AA113.161**	**AA113.201**	**AA113.211**	**AA113.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (4)	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	95	95	111	95	95	111
Volume, cc	35	35	35	35	35	35
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA113.201.E)

(3) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(4) Replace the ☐ with the type required, e.g. 12.32.AT01

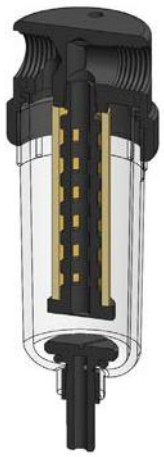
AN122
Filter Housing

Materials	**Aluminium & Polyamide**
Pressure	**10 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

AN122 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other sealtypes are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AN122.101**	**AN122.111**	**AN122.161**	**AN122.201**	**AN122.211**	**AN122.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	110	110	124.5	110	110	124.5
Volume, cc	25	25	25	25	25	25
Weight, kg	0.1	0.1	0.1	0.1	0.1	0.1
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AN122.201.E)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

AA123
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

AA123 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AA123.101**	**AA123.111**	**AA123.161**	**AA123.201**	**AA123.211**	**AA123.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	112	112	127	112	112	127
Volume, cc	45	45	45	45	45	45
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA123.201.E)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

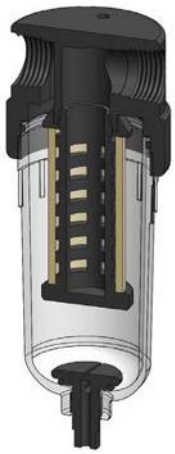
AN212
Filter Housing

Materials	**Aluminium & Polyamide**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

AN212 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AN212.201**	**AN212.221**	**AN212.261**	**AN212.271**	**AN212.401**	**AN212.421**	**AN212.461**	**AN212.471**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	1/4" NPT	Manual	Automatic
Maximum Pressure, Bar	10	10	10	10	10	10	10	10
Maximum Temperature, ºC	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head	AL	AL	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	-	25.64.AT☐	25.64.AT☐	25.64.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	159	159	171.5	171.5	159	159	171.5	171.5
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Accessories								
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AN212.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01. Adsorber cartidges are not suitable for housings with automatic drains

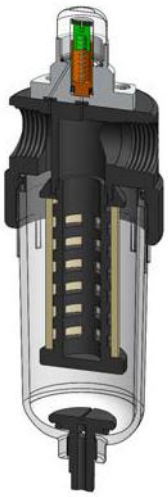
AiN212
Filter Housing with DPI

Materials	**Aluminium & Polyamide**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

AiN212 series filter housings with differential pressure indicators have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AiN212.201**	**AiN212.221**	**AiN212.261**	**AiN212.271**	**AiN212.401**	**AiN212.421**	**AiN212.461**	**AiN212.471**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	1/4" NPT	Manual	Automatic
Maximum Pressure, Bar	10	10	10	10	10	10	10	10
Maximum Temperature, ºC	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head	AL	AL	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	-	25.64.AT☐	25.64.AT☐	25.64.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	190.5	190.5	202	202	190.5	190.5	202	202
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Accessories								
Mounting Bracket	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiN212.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01. Adsorber cartidges are not suitable for housings with automatic drains

AA213
Filter Housing

Materials Aluminium
Pressure 17 Bar
Ports 1/4" or 1/2"
Element 25.64.☐

AA213 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	AA213.201	AA213.211	AA213.261	AA213.271	AA213.401	AA213.411	AA213.461	AA213.471
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	Automatic	None	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120	120	120
Materials of Construction (1)								
Head & Bowl	AL	AL	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	-	25.64.AT☐	25.64.AT☐	25.64.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	151	151	164	164	151	151	164	164
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Accessories								
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA213.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01. Adsorber cartidges are not suitable for housings with automatic drains

AiA213
Filter Housing with DPI

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

AiA213 series filter housings with differential pressure indicators have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AiA213.201**	**AiA213.221**	**AiA213.261**	**AiA213.271**	**AiA213.401**	**AiA213.421**	**AiA213.461**	**AiA213.471**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	1/4" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17	17	17
Maximum Temperature, ºC	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head & Bowl	AL	AL	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	-	25.64.AT☐	25.64.AT☐	25.64.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	176	176	189	189	176	176	189	189
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Accessories								
Mounting Bracket	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiA213.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01. Adsorber cartidges are not suitable for housings with automatic drains

AA214
Filter Housing

Materials	**Aluminium**
Pressure	**35 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

AA214 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AA214.211**	**AA214.261**	**AA214.411**	**AA214.461**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	1/8" NPT	Manual	1/8" NPT	Manual
Maximum Pressure, Bar	35	35	35	35
Maximum Temperature, ºC	120	120	120	120
Materials of Construction (1)				
Head & Bowl	AL	AL	AL	AL
Internals	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	141	154	141	154
Volume, cc	140	140	140	140
Weight, kg	0.65	0.65	0.65	0.65
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA214.211.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

AN222 & AN232
Filter Housing

Materials	**Aluminium & Polyamide**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.127.☐ & 25.178.☐**

AN222 & AN232 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AN232.201**	**AN232.221**	**AN232.261**	**AN222.271**	**AN232.401**	**AN232.421**	**AN232.461**	**AN222.471**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	14" NPT	Manual	Automatic
Maximum Pressure, Bar	10	10	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head	AL	AL	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.127.☐	25.178.☐	25.178.☐	25.178.☐	25.127.☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	-	25.178.AT☐	25.178.AT☐	25.178.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	226	226	238	238	226	226	238	238
Volume, cc	240	240	240	240	240	240	240	240
Weight, kg	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Accessories								
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. An232.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

AiN222 & AiN232
Filter Housing with DPI

Materials	**Aluminium & Polyamide**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.127.☐ & 25.178.☐**

AiN222 & AiN232 series filter housings with differential pressure indicator have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options . These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AiN232.201**	**AiN232.221**	**AiN232.261**	**AiN222.271**	**AiN232.401**	**AiN232.421**	**AiN232.461**	**AiN222.471**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	14" NPT	Manual	Automatic
Maximum Pressure, Bar	10	10	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head	AL	AL	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.127☐	25.178.☐	25.178.☐	25.178.☐	25.127☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	-	25.178.AT☐	25.178.AT☐	25.178.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	251	251	264	264	251	251	264	264
Volume, cc	240	240	240	240	240	240	240	240
Weight, kg	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Accessories								
Mounting Bracket	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiN233.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

AA223 & AA233
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1/4" or 1/2"**
Element	**25.127.☐ & 25.178.☐**

AA223 & AA233 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AA233.201**	**AA233.211**	**AA233.261**	**AA223.271**	**AA233.401**	**AA233.411**	**AA233.461**	**AA223.471**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	Automatic	None	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17	17	17
Maximum Temperature, ºC	120	120	120	120	120	120	120	120
Materials of Construction (1)								
Head & Bowl	AL	AL	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.127.☐	25.178.☐	25.178.☐	25.178.☐	25.127.☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	-	25.178.AT☐	25.178.AT☐	25.178.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	271	271	284	284	271	271	284	284
Volume, cc	240	240	240	240	240	240	240	240
Weight, kg	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Accessories								
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA233.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

AiA223 & AiA233
Filter Housing with DPI

Materials Aluminium
Pressure 17 Bar
Ports 1/4" or 1/2"
Element 25.127.☐ & 25.178.☐

AiA223 & AiA233 series filter housings with differential pressure indicators have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	AiA233.201	AiA233.211	AiA233.261	AiA223.271	AiA233.401	AiA233.411	AiA233.461	AiA223.471
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	Automatic	None	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120	120	120
Materials of Construction (1)								
Head & Bowl	AL	AL	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.127☐	25.178.☐	25.178.☐	25.178.☐	25.127☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	-	25.178.AT☐	25.178.AT☐	25.178.AT☐	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	297	297	309	309	297	297	309	309
Volume, cc	240	240	240	240	240	240	240	240
Weight, kg	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Accessories								
Mounting Bracket	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiA233.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

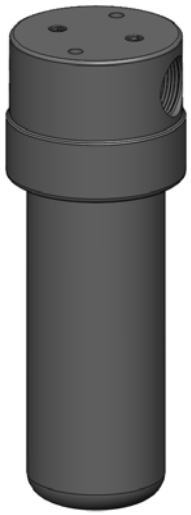
AA323
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

AA323 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 3/4" or 1" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AA323.511**	**AA323.561**	**AA323.571**	**AA323.611**	**AA323.661**	**AA323.671**
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	1/8" NPT	Manual	Automatic	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Adsorber Cartridge Code (4)	38.152.AT☐	38.152.AT☐	38.152.AT☐	38.152.AT☐	38.152.AT☐	38.152.AT☐
Principal Dimensions in mm						
Diameter	95	95	95	95	95	95
Height	272	295	295	272	295	295
Volume, cc	470	470	470	470	470	470
Weight, kg	2.0	2.0	2.0	2.0	2.0	2.0
Accessories						
Mounting Bracket	MBAA32	MBAA32	MBAA32	MBAA32	MBAA32	MBAA32

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA323.511.E)

(3) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

(4) Replace the ☐ with the type required, e.g. 38.152.AT01

AiA323
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

AiA323 series filter housings with differential pressure indicators have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 3/4" or 1" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AiA323.511**	**AiA323.561**	**AiA323.571**	**AiA323.611**	**AiA323.661**	**AiA323.671**
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	1/8" NPT	Manual	Automatic	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐	38.152.☐
Adsorber Cartridge Code (4)	38.152.AT☐	38.152.AT☐	38.152.AT☐	38.152.AT☐	38.152.AT☐	38.152.AT☐
Principal Dimensions in mm						
Diameter	95	95	95	95	95	95
Height	329	352	352	329	352	352
Volume, cc	470	470	470	470	470	470
Weight, kg	2.0	2.0	2.0	2.0	2.0	2.0
Accessories						
Mounting Bracket	MBAA32	MBAA32	MBAA32	MBAA32	MBAA32	MBAA32

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA323.511.E)

(3) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

(4) Replace the ☐ with the type required, e.g. 38.152.AT01

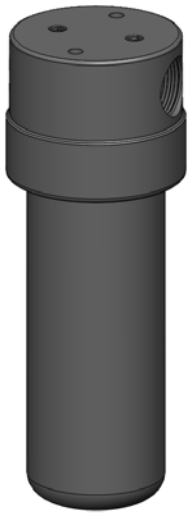
AA325
Filter Housing

Materials	**Aluminium**
Pressure	**100 Bar**
Ports	**3/4" or 1"**
Element	**38.152.☐**

AA325 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 3/4" or 1" ports and have 1/4" drain ports. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AA325.521**	**AA325.621**
Port Size	3/4" NPT	1" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC	120	120
Materials of Construction (1)		
Head & Bowl	AL	AL
Internals	PA	PA
Seal (2)	Viton	Viton
Filter Element Code (3)	38.152.☐	38.152.☐
Adsorber Cartridge Code (4)	38.152.AT☐	38.152.AT☐
Principal Dimensions in mm		
Diameter	95	95
Height	272	272
Volume, cc	470	470
Weight, kg	2.0	2.0
Accessories		
Mounting Bracket	MBAA32	MBAA32

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA325.521.E)

(3) Replace the ☐ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20

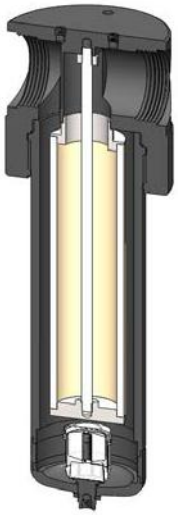
(4) Replace the ☐ with the type required, e.g. 38.152.AT01

AA423
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1&1/2" or 2"**
Element	**51.230.☐**

The AA423 series filter housings have anodised aluminium head, bowl and internals with a stainless steel tie rod. They are supplied with 1&1/2" or 2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AA423.711**	**AA423.761**	**AA423.771**	**AA423.811**	**AA423.861**	**AA423.871**
Port Size	1&1/2" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT	2" NPT
Drain	1/8" NPT	Manual	Automatic	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐
Adsorber Cartridge Code (4)	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm						
Diameter	135	135	135	135	135	135
Height	405	418	418	405	418	418
Volume, cc	1300	1300	1300	1300	1300	1300
Weight, kg	4.0	4.0	4.0	4.0	4.0	4.0
Accessories						
Mounting Bracket	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42

Notes

(1) Material abbreviations, AL = Aluminium, SS = Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA4233.7111.E)

(3) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(4) Replace the ☐ with the type required, e.g. 51.230.AT01

AiA423
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1&1/2" or 2"**
Element	**51.230.☐**

The AiA423 series filter housings with differential pressure indicators have anodised aluminium head, bowl and internals with a stainless steel tie rod. They are supplied with 1&1/2" or 2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	AiA423.711	AiA423.761	AiA423.771	AiA423.811	AiA423.861	AiA423.871
Port Size	1&1/2" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT	2" NPT
Drain	1/8" NPT	Manual	Automatic	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐	51.230.☐
Adsorber Cartridge Code (4)	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐	51.230.AD☐
Principal Dimensions in mm						
Diameter	135	135	135	135	135	135
Height	462	475	475	462	475	475
Volume, cc	1300	1300	1300	1300	1300	1300
Weight, kg	4.0	4.0	4.0	4.0	4.0	4.0
Accessories						
Mounting Bracket	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42

Notes

(1) Material abbreviations, AL = Aluminium, SS = Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiA423.711.E)

(3) Replace the ☐ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

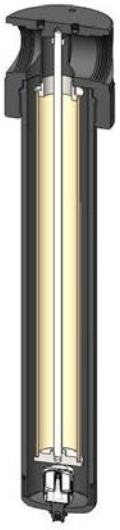
(4) Replace the ☐ with the type required, e.g. 51.230.AT01

AA433
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1&1/2" or 2"**
Element	**51.476.☐**

The AA433 series filter housings have anodised aluminium head, bowl and internals with a stainless steel tie rod. They are supplied with 1&1/2" or 2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**AA433.711**	**AA433.761**	**AA433.771**	**AA433.811**	**AA433.861**	**AA433.871**
Port Size	1&1/2" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2"	2"
Drain	1/8" NPT	Manual	Automatic	1/8"	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐
Adsorber Cartridge Code (4)	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐
Principal Dimensions in mm						
Diameter	135	135	135	135	135	135
Height	650	663	663	650	663	663
Volume, cc	2500	2500	2500	2500	2500	2500
Weight, kg	5.5	5.5	5.5	5.5	5.5	5.5
Accessories						
Mounting Bracket	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42

Notes

(1) Material abbreviations, AL = Aluminium, SS = Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA433.711.E)

(3) Replace the ☐ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(4) Replace the ☐ with the type required, e.g. 51.476.AT01

AiA433
Filter Housing

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1&1/2" or 2"**
Element	**51.476.☐**

The AiA433 series filter housings with differential pressure indicators have anodised aluminium head, bowl and internals with a stainless steel tie rod.

They are supplied with 1&1/2" or 2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**AiA433.711**	**AiA433.761**	**AiA433.771**	**AiA433.811**	**AiA433.861**	**AiA433.871**
Port Size	1&1/2" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT	2" NPT
Drain	1/8" NPT	Manual	Automatic	1/8"	Manual	Automatic
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, ºC	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS	AL & SS
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐	51.476.☐
Adsorber Cartridge Code (4)	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐	51.476.AD☐
Principal Dimensions in mm						
Diameter	135	135	135	135	135	135
Height	707	720	720	707	720	
Volume, cc	2500	2500	2500	2500	2500	2500
Weight, kg	5.5	5.5	5.5	5.5	5.5	5.5
Accessories						
Mounting Bracket	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42	MBAA42

Notes

(1) Material abbreviations, AL = Aluminium, SS = Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA433.711.E)

(3) Replace the ☐ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(4) Replace the ☐ with the type required, e.g. 51.476.AT01

AE Series
End of Line Filter Housing

Materials **Aluminium**
Ports **1/8" to 1/2"**
Element **12.32.☐ to 25.64.☐**

The AE series filter housings have an anodised aluminium head and bowl and are supplied with a range of port sizes.

The element is enclosed for protection and the housings are suitable for gas and liquid end of line applications.

These housings have NPT ports as standard.

Technical Specifications

Housing Model	AE110.101	AE110.201	AE120.101	AE120.201	AE210.201	AE210.401
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT
Maximum Temperature, ºC	150	150	150	150	150	150
Materials of Construction (1)						
Body	AL	AL	AL	AL	AL	AL
Filter Element Code (2)	12.32.☐	12.32.☐	12.57.☐	12.57.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (3)	-	-	-	-	25.64.AD☐	25.64.AD☐
Principal Dimensions in mm						
Diameter	36	36	36	36	50	50
Height	53	53	78	78	93.5	93.5
Weight, kg	0.02	0.02	0.02	0.02	0.1	0.1

Notes

(1) Material abbreviations, AL = Aluminium

(2) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(3) Replace the ☐ with the type required, e.g. 25.64.AD01

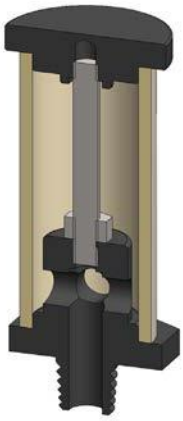
AO Series
End of Line Filter Housing

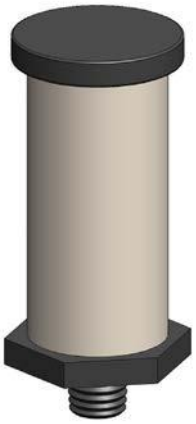
Materials **Aluminium & SS**
Ports **1/8" to 1/2"**
Element **12.32.☐ to 25.64.☐**

The AO series filter housings are constructed from anodised aluminium with a stainless steel tie rod and are supplied with a range of connections.

The housings are suitable for gas and liquid end of line applications.

These housings have NPT ports as standard.





Technical Specifications

Housing Model	AO110.101	AO110.209	AO120.101	AO120.209	AO210.201	AO210.209	AO230.201	AO230.209
Port Size	1/8" NPT	Ø 1/4" Spigot	1/8" NPT	Ø 1/4" Spigot	1/2" NPT	Ø 1/4" Spigot	1/2" NPT	Ø 1/4" Spigot
Maximum Temperature, ºC	150	150	150	150	150	150	150	150
Materials of Construction (1)								
Head & Retainer	AL	AL	AL	AL	AL	AL	AL	AL
Tie Rod	SS	SS	SS	SS	SS	SS	SS	SS
Filter Elements Code (2)	12.32.☐	12.32.☐	12.57.☐	12.57.☐	25.64.☐	25.64.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (3)	-	-	-	-	25.64.AD☐	25.64.AD☐	25.178.AD☐	25.178.AD☐
Principal Dimensions in mm								
Diameter	19	19	19	19	36	36	36	36
Height	50	50	75	75	91	91	205	205
Weight, kg	0.02	0.02	0.02	0.02	0.05	0.05	0.1	0.1

Notes

(1) Material abbreviations, AL = Aluminium, SS = Stainelsss Steel

(2) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(3) Replace the ☐ with the type required, e.g. 25.64.AD01

RAN112
Filter Regulator

Materials	**Aluminium & Polymide**
Pressure	**10 Bar**
Ports	**1/8" & 1/4"**
Element	**12.32.☐**

RAN112 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from aluminium and polymide with a plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix

Standard housings have NPT ports and Viton seals.

Technical Specifications

Housing Model	**RAN112.101**	**RAN112.111**	**RAN112.161**	**RAN112.201**	**RAN112.211**	**RAN112.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Inlet Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, ºC	60	60	60	60	60	60
Materials of Construction (1)						
Body	AL & PA	AL & PA	AL & PA	AL & PA	AL & PA	AL & PA
Bonnet	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	161	161	174	161	161	174
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (4)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polymide

(2) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RAN112.101.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

RAA113
Filter Regulator

Materials	**Aluminium**
Pressure	**17 Bar**
Ports	**1/8" & 1/4"**
Element	**12.32.☐**

RAA113 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from aluminium with a plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix

Standard housings have NPT ports and Viton seals.

Technical Specifications

Housing Model	**RAA113.101**	**RAA113.111**	**RAA113.161**	**RAA113.201**	**RAA113.211**	**RAA113.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Inlet Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	60	60	60	60	60	60
Materials of Construction (1)						
Body	AL	AL	AL	AL	AL	AL
Bonnet	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	162	162	175	162	162	175
Weight, kg	0.20	0.20	0.20	0.20	0.20	0.20
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (4)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, AL = Aluminium

(2) Replace the ☐ with the grade required, e.g. 12.32.5K, 12.32.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RAA113.261.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

RAN122
Filter Regulator

Materials	**Aluminium & Polymide**
Pressure	**10 Bar**
Ports	**1/8" & 1/4"**
Element	**12.57.☐**

RAN122 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from aluminium and polymide with a plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix

Standard housings have NPT ports and Viton seals.

Technical Specifications

Housing Model	**RAN122.101**	**RAN122.111**	**RAN122.161**	**RAN122.201**	**RAN122.211**	**RAN122.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Inlet Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, ºC	60	60	60	60	60	60
Materials of Construction (1)						
Body	AL & PA	AL & PA	AL & PA	AL & PA	AL & PA	AL & PA
Bonnet	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	177	177	190	177	177	190
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Type Suffix (3)						
Relieving	.R	.R	.R	.R	.R	.R
Non-relieving	.NR	.NR	.NR	.NR	.NR	.NR
Spring Suffix (4)						
0-2 Bar	.30	.30	.30	.30	.30	.30
0-4 Bar	.60	.60	.60	.60	.60	.60
0-8 Bar	.120	.120	.120	.120	.120	.120
Accessories						
Mounting Bracket	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polymide

(2) Replace the ☐ with the grade required, e.g. 12.57.5K, 12.57.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RAN122.261.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

RAA123
Filter Regulator

Materials Aluminium
Pressure 17 Bar
Ports 1/8" & 1/4"
Element 12.57.☐

RAA123 series filter regulator housings are specified for 1/8" & 1/4" line size applications and have a filter element integrated into the regulator.

The housings are constructed from aluminium with a plastic bonnet. The regulators can be supplied as relieving or non-relieving and the sufix .R or .NR should be used after the part number.

Springs can be supplied for 0-2, 0-4 and 0-8 Bar, see table below for part number suffix

Standard housings have NPT ports and Viton seals.

Technical Specifications

Housing Model	RAA123.101	RAA123.111	RAA123.161	RAA123.201	RAA123.211	RAA123.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain Port	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Inlet Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	60	60	60	60	60	60
Materials of Construction (1)						
Body	AL	AL	AL	AL	AL	AL
Bonnet	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Seal & Diapragm	Viton	Viton	Viton	Viton	Viton	Viton
Other Internal Parts	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Filter Element Code (2)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	179	179	192	179	179	192
Weight, kg	0.20	0.20	0.20	0.20	0.20	0.20
Type Suffix (3)			.R			
Relieving	.R	.R	.NR	.R	.R	.R
Non-relieving	.NR	.NR		.NR	.NR	.NR
Spring Suffix (4)			.30			
0-2 Bar	.30	.30	.60	.30	.30	.30
0-4 Bar	.60	.60	.120	.60	.60	.60
0-8 Bar	.120	.120		.120	.120	.120
Accessories			MBRSP10			
Mounting Bracket	MBRSP10	MBRSP10	SPRGA10	MBRSP10	MBRSP10	MBRSP10
Pressure Gauge (4)	SPRGA10	SPRGA10		SPRGA10	SPRGA10	SPRGA10

Notes

(1) Material abbreviations, AL = Aluminium

(2) Replace the ☐ with the grade required, e.g. 12.57.5K, 12.57.S10V

(3) Add suffix for Relieving or Non-relieving types and for the spring type, (e.g. RAA123.261.N.120)

(4) Add suffix for pressure range, (e.g. PRGA10.120)

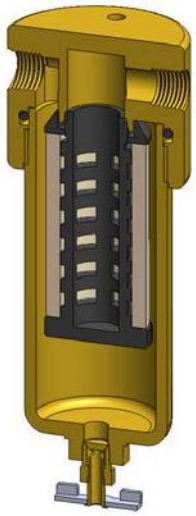
BB213
Brass Filter Housing

Materials	**Brass**
Pressure	**17 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

BB213 series filter housings have a head and bowl machined from solid brass bar with polyamide internals.

They are supplied with 1/4" or 1/2" ports with a range of drain options included a manual twist drain. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	BB213.201	BB213.211	BB213.261	BB213.401	BB213.411	BB213.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	17	17	17	17	17	17
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	Brass	Brass	Brass	Brass	Brass	Brass
Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm						
Diameter	62	62	62	62	62	62
Height	149	149	162	149	149	162
Volume, cc	150	150	150	150	150	150
Weight, kg	1.5	1.5	1.5	1.5	1.5	1.5
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. BB213.201.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

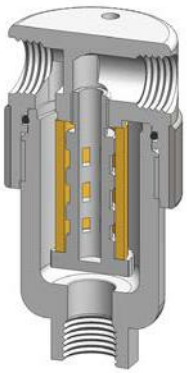
FF111
PTFE Filter Housing

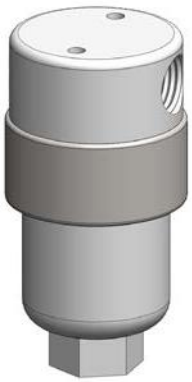
Materials PTFE
Pressure 7 Bar
Ports 1/8" or 1/4"
Element 12.32.☐

FF111 series filter housings are specified for 1/8" & 1/4" line size applications where a PTFE material is required. FF121 series housings should be considered for applications where a longer service life is needed.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.





Technical Specifications

Housing Model	FF111.101	FF111.111	FF111.201	FF111.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (4)	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	80.5	80.5	80.5	80.5
Volume, cc	25	25	25	25
Weight, kg	0.12	0.12	0.12	0.12
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PTFE = Polytetraflouroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF111.221.T)

(3) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.T20

(4) Replace the ☐ with the type required, e.g. 12.32.AT01

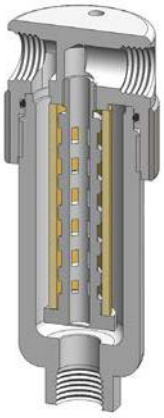
FF121
PTFE Filter Housing

Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

FF121 series filter housings are specified for 1/8" & 1/4" line size applications where a PTFE material is required. FF111 series housings should be considered for applications where the response time is critical

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	**FF121.101**	**FF121.111**	**FF121.201**	**FF121.221**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	105.5	105.5	105.5	105.5
Volume, cc	35	35	35	35
Weight, kg	0.12	0.12	0.12	0.12
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PTFE = Polytetraflouroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF121.221.T)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

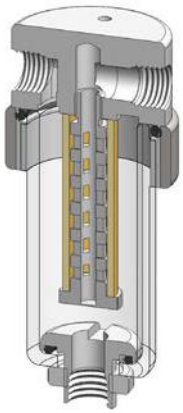
FG121
PTFE Filter Housing

Materials	**PTFE & Pyrex Glass**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

FG121 series filter housings are constructed from PTFE, but use a Pyrex glass bowl so that the element can be monitored. They are specified for 1/8" & 1/4" line size applications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	**FG121.101**	**FG121.111**	**FG121.201**	**FG121.221**
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	150	150	150	150
Materials of Construction (1)				
Head & Internals	PTFE	PTFE	PTFE	PTFE
Bowl	Pyrex Glass	Pyrex Glass	Pyrex Glass	Pyrex Glass
Seals (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm				
Diameter	50	50	50	50
Height	120	120	120	120
Volume, cc	63	63	63	63
Weight, kg	0.12	0.12	0.12	0.12
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PTFE = Polytetraflouroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FG121.221.T)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

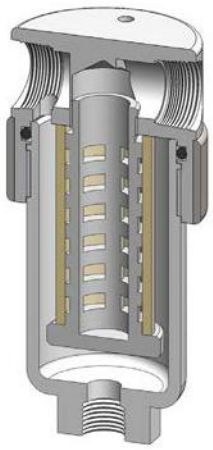
FF211
PTFE Filter Housing

Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

FF211 series filter housings are specified for 1/4" & 1/2" line size applications where a PTFE material is required. FF111 or FF121 series housings should be considered for applications where response time is important. Where a longer service time is required the larger FF231 series housings are available.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	**FF211.201**	**FF211.221**	**FF211.401**	**FF211.421**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm				
Diameter	60	60	60	60
Height	128.5	128.5	128.5	128.5
Volume, cc	90	90	90	90
Weight, kg	0.47	0.47	0.47	0.47
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PTFE = Polytetraflouroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF211.221.T)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

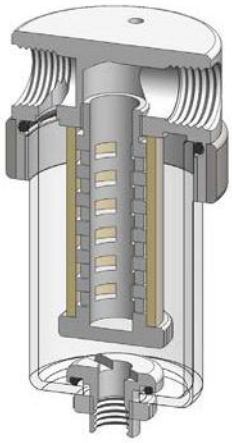
FG211
PTFE Filter Housing

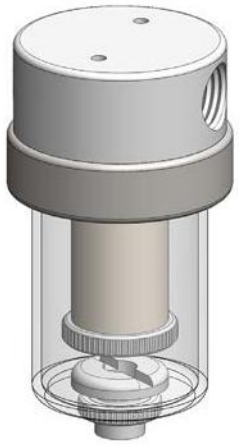
Materials	**PTFE & Pyrex Glass**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

FG211 series filter housings are constructed from PTFE, but use a Pyrex glass bowl so that the element can be monitored. They are specified for 1/4" & 1/2" line size applications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.





Technical Specifications

Housing Model	FG211.201	FG211.221	FG211.401	FG211.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	150	150	150	150
Materials of Construction (1)				
Head & Internals	PTFE	PTFE	PTFE	PTFE
Bowl	Pyrex Glass	Pyrex Glass	Pyrex Glass	Pyrex Glass
Seals (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm				
Diameter	68	68	68	68
Height	132	132	132	132
Volume, cc	115	115	115	115
Weight, kg	0.53	0.53	0.53	0.53
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PTFE = Polytetraflouroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FG211.221.T)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

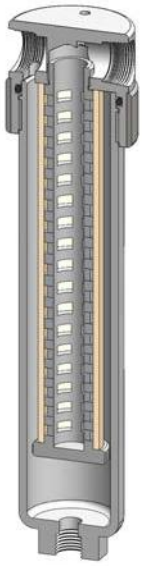
FF231
PTFE Filter Housing

Materials	**PTFE**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

The FF231 series filter housings are specified for high flow 1/4" & 1/2" line size applications where a PTFE material is required. FF111, FF121 or FF211 series housings should be considered for applications where response time is important or flow rates are lower.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due the the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	**FF231.201**	**FF231.221**	**FF231.401**	**FF231.421**
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐
Principal Dimensions in mm				
Diameter	60	60	60	60
Height	263	263	263	263
Volume, cc	90	90	90	90
Weight, kg	0.7	0.7	0.7	0.7
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PTFE = Polytetraflouroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF231.221.T)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

NN112
Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**10 Bar**
Ports	**1/8" or 1/4"**
Element	**12.32.☐**

NN112 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**NN112.101**	**NN112.111**	**NN112.161**	**NN112.201**	**NN112.211**	**NN112.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (4)	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	96.5	96.5	111	96.5	96.5	111
Volume, cc	45	45	45	45	45	45
Weight, kg	0.04	0.04	0.04	0.04	0.04	0.04
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN112.221.E)

(3) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.32.T20

(4) Replace the ☐ with the type required, e.g. 12.32.AT01

NN122
Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**10 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

NN112 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**NN122.101**	**NN122.111**	**NN122.161**	**NN122.201**	**NN122.211**	**NN122.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05	0.05	0.05
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN122.221.E)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

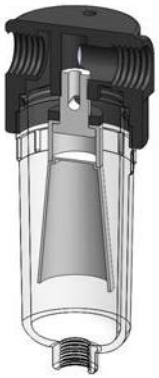
NN122.F
Float Valve Housing

Materials Polyamide
Pressure 10 Bar
Ports 1/8" or 1/4"

NN122.F series float valve housings are based on our standard NN122 series and have a float valve to shut off the flow when collected liquids reach a certain level.

Float Valve housings are an essential filtration tool when gas is being drawn to an analyser or other instrument, prenting the carry-over of bulk liquids. Normally these are used after coalescing filter housing as a safety device.

Special and custom housings can also be supplied with internal arrangements to suit specific applications.



Technical Specifications

Housing Model	NN122.101.F	NN122.111.F	NN122.161.F	NN122.201.F	NN122.211.F	NN122.261.F
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05	0.05	0.05
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN122.221.E.F)

NL121
Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**7 Bar**
Ports	**Ø1/4" or 1/8" NPT**
Element	**12.57.☐**

NL121 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" NPT ports or push-on type spigots. These housings are designed for coalescing applications and are ideal for portable anaylsers.

Standard housings have a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	NL121.111	NL121.161	NL121.229	NL121.269
Port Size	1/8" NPT	1/8" NPT	Ø 1/4" Spigot	Ø 1/4" Spigot
Drain	1/8" NPT	Manual	Ø 1/4" Spigot	Manual
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, ºC	50	50	50	50
Materials of Construction (1)				
Head, Bowl & Internals	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Principal Dimensions in mm				
Diameter	45	45	45	45
Height	81	81	131	131
Volume, cc	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NL121.111.E)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.T20

NL141
Twin Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**7 Bar**
Ports	**Ø1/4" or 1/8" NPT**
Element	**12.32.☐ & 12.35.☐**

NL141 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" NPT ports or push-on type spigots.

The twin-element design allows both a coalescing element and particulate element to be installed in a single housing making them ideal for portable anaylser applications.

Standard housings have a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**NL141.111**	**NL141.269**
Port Size	1/8" NPT	Ø 1/4" Spigot
Drain	1/8" NPT	Manual
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC	50	50
Materials of Construction (1)		
Head, Bowl & Internals	PA	PA
Seals (2)	Viton	Viton
Filter Element Code - 1st Stage (3)	12.32.☐	12.32.☐
Filter Element Code - 2nd Stage	12.35.☐	12.35.☐
Principal Dimensions in mm		
Diameter	45	45
Height	120	150
Volume, cc	55	55
Weight, kg	0.05	0.05

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NL141.111.E)

(3) Replace the ☐ with the grade required, e.g. 12.35.8CK, & 12.32.6K

NT Series
Twin Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**7 Bar**
Ports	**1/4”**
Element	**12.32.☐ & 12.57.☐**

NT series twin filter housings have two elements and bowls fitted to a single head. The first stage is a pre-filter or coalescing element and the second stage a particulate element.

They are constructed entirely from polyamide and the bowls use a clear polyamide.

They are supplied with 1/4" ports and have a range of drain options. There are two mounting holes in the back face of the head for neat installation.

Standard housings have a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	**NT1111.2601**	**NT1111.2101**	**NT1211.2601**	**NT1211.2101**	**NT1221.2601**	**NT1221.2101**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain - 1st Stage	Manual	1/8" NPT	Manual	1/8" NPT	Manual	1/8" NPT
Drain - 2nd Stage	None	None	None	None	None	None
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, ºC	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code - 1st Stage (3)	12.32.☐	12.32.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Filter Element Code - 2nd Stage	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.57.☐	12.57.☐
Principal Dimensions in mm						
Length over ports	90	90	90	90	90	90
Height	80	80	95	95	95	95
Volume, cc	95	95	100	100	105	105
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NT1111.2101.E)

(3) Replace the ☐ with the grade required, e.g. 12.32.8CK & 12.32.6K

NNS241
Inverted Polyamide Filter Housing

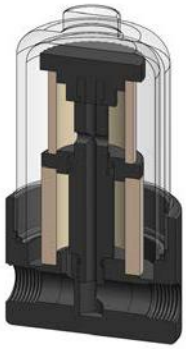
Materials	**Polyamide**
Pressure	**7 Bar**
Ports	**1/8" & 1/4”**
Element	**25.30.☐ & 25.35.☐**

NNS filter housings are constructed from polyamide and the bowl also uses a clear polyamide.

The housings are fitted with a coalescing pre-filter and a particulate filter that are of different lengths making incorrect installation impossible. The short bowl gives a low internal volume for fast response times.

The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element.

Standard housings have NPT ports and Viton seals.



Technical Specifications

Housing Model	**NNS241.111**	**NNS241.211**
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, ºC	50	50
Materials of Construction (1)		
Head, Bowl & Internals	PA	PA
Seals (2)	Viton	Viton
Filter Element Code - 1st Stage (3)	25.35.☐	25.35.☐
Filter Element Code - 2nd Stage	25.30.☐	25.30.☐
Principal Dimensions in mm		
Diameter	62	62
Height	108	108
Volume, cc	115	115
Weight, kg	0.2	0.2

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NNS241.211.E)

(3) Replace the ☐ with the grade required, e.g. 25.35.8CK, 25.30.6K

NN212
Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

NN212 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	NN212.201	NN212.221	NN212.261	NN212.401	NN212.421	NN212.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN212.221.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

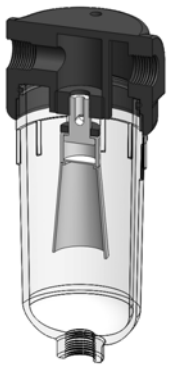
NN212.F
Float Valve housing

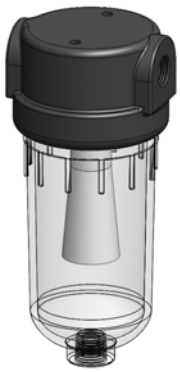
Materials Polyamide
Pressure 10 Bar
Ports 1/4" or 1/2"

NN212.F series float valve housings are based on our standard NN212 series and have a float valve to shut off the flow when collected liquids reach a certain level.

Float Valve housings are an essential filtration tool when gas is being drawn to an analyser or other instrument, prenting the carry-over of bulk liquids. Normally these are used after coalescing filter housing as a safety device.

Special and custom housings can also be supplied with internal arrangements to suit specific applications.





Technical Specifications

Housing Model	NN212.201.F	NN212.221.F	NN212.261.F	NN212.401.F	NN212.421.F	NN212.461.F
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN212.221.E.F)

NN232
Polyamide Filter Housing

Materials	**Polyamide**
Pressure	**10 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

NN232 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

Technical Specifications

Housing Model	NN232.201	NN232.221	NN232.261	NN232.401	NN232.421	NN232.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	246	246	258	246	246	258
Volume, cc	310	310	310	310	310	310
Weight, kg	0.25	0.25	0.25	0.25	0.25	0.25
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN213.221.E)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

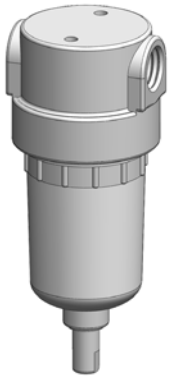
PP111
PP Filter Housing

Materials Polypropylene
Pressure 7 Bar
Ports 1/8" or 1/4"
Element 12.32.☐

PP111 series filter housings are constructed entirely from polypropylene. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	PP111.101	PP111.111	PP111.161	PP111.201	PP111.211	PP111.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐	12.32.☐
Adsorber Cartridge Code (4)	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐	12.32.AT☐
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	96.5	96.5	111	96.5	96.5	111
Volume, cc	45	45	45	45	45	45
Weight, kg	0.04	0.04	0.04	0.04	0.04	0.04
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP111.221.E)

(3) Replace the ☐ with the grade required, e.g. 12.32.5CK, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

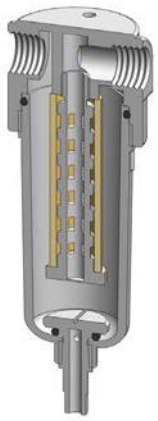
PP121
PP Filter Housing

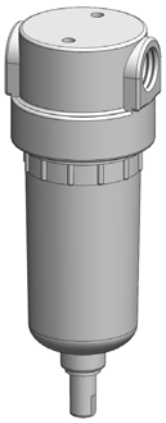
Materials	**Polypropylene**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

PP121 series filter housings are constructed entirely from polypropylene. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.





Technical Specifications

Housing Model	**PP121.101**	**PP121.111**	**PP121.161**	**PP121.201**	**PP121.211**	**PP121.261**
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05	0.05	0.05
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP121.221.E)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

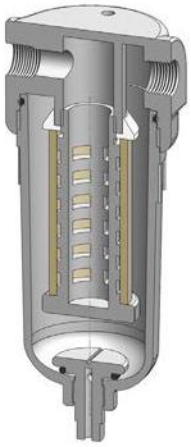
PP211
PP Filter Housing

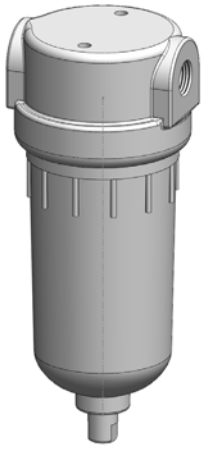
Materials	**Polypropylene**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

PP211 series filter housings are constructed entirely from polypropylene. They are supplied with 1/4" or 1/2" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.





Technical Specifications

Housing Model	PP211.201	PP211.221	PP211.261	PP211.401	PP211.421	PP211.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP211.221.E)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

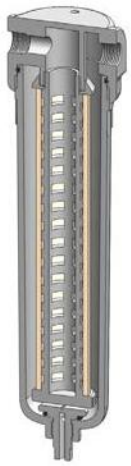
PP231
PP Filter Housing

Materials	**Polypropylene**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

PP231 series filter housings are constructed entirely from polypropylene. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	PP231.201	PP231.221	PP231.261	PP231.401	PP231.421	PP231.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	246	246	258	246	246	258
Volume, cc	310	310	310	310	310	310
Weight, kg	0.25	0.25	0.25	0.25	0.25	0.25
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP231.221.E)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01

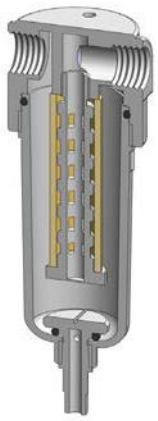
KK121
PVDF Filter Housing

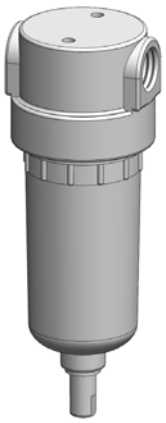
Materials	**PVDF**
Pressure	**7 Bar**
Ports	**1/8" or 1/4"**
Element	**12.57.☐**

KK121 series filter housings are constructed entirely from PVDF. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.





Technical Specifications

Housing Model	KK121.101	KK121.111	KK121.161	KK121.201	KK121.211	KK121.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head, Bowl & Internals	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐	12.57.☐
Adsorber Cartridge Code (4)	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐	12.57.AT☐
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.06	0.06	0.06	0.06	0.06	0.06
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PVDF = Polyvinylidenediflouride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. KK121.221.T)

(3) Replace the ☐ with the grade required, e.g. 12.57.5CK, 12.57.T20

(4) Replace the ☐ with the type required, e.g. 12.57.AT01

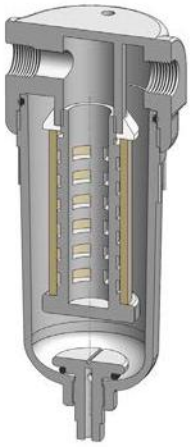
KK211
PVDF Filter Housing

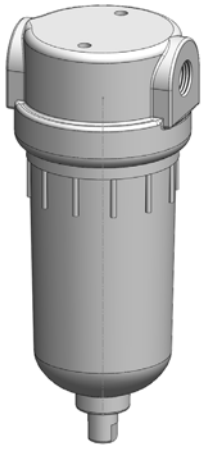
Materials	**PVDF**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.64.☐**

KK211 series filter housings are constructed entirely from PVDF. They are supplied with 1/4" or 1/2" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.





Technical Specifications

Housing Model	**KK211.201**	**KK211.221**	**KK211.261**	**KK211.401**	**KK211.421**	**KK211.461**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, ºC	120	120	120	120	120	120
Materials of Construction (1)						
Head, Bowl & Internals	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐	25.64.☐
Adsorber Cartridge Code (4)	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐	25.64.AT☐
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PVDF = Polyvinylidenediflouride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF211.221.T)

(3) Replace the ☐ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the ☐ with the type required, e.g. 25.64.AT01

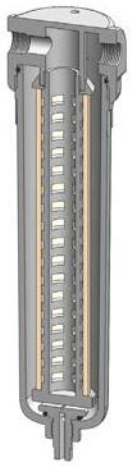
KK231
PVDF Filter Housing

Materials	**PVDF**
Pressure	**7 Bar**
Ports	**1/4" or 1/2"**
Element	**25.178.☐**

KK231 series filter housings are constructed entirely from PVDF. They are supplied with 1/4" or 1/2" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	**KK231.201**	**KK231.221**	**KK231.261**	**KK231.401**	**KK231.421**	**KK231.461**
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, ºC	120	120	120	120	120	120
Materials of Construction (1)						
Head, Bowl & Internals	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Seals (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐	25.178.☐
Adsorber Cartridge Code (4)	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐	25.178.AT☐
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	246	246	258	246	246	258
Volume, cc	310	310	310	310	310	310
Weight, kg	0.33	0.33	0.33	0.33	0.33	0.33
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PVDF = Polyvinylidenediflouride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. KK231.221.T)

(3) Replace the ☐ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the ☐ with the type required, e.g. 25.178.AT01