

Instrumentation Products

E Series Valves and Manifolds



Introduction

Introduction

The AS-Schneider Group with its headquarters in Germany is one of the World's Leading Manufacturers of Instrumentation Valves and Manifolds. AS-Schneider offers a large variety of E Series Valves and Manifolds as well as numerous accessories needed for the instrumentation installations globally.

Selection can be made from a comprehensive range of bodies with a variety of connections and material options, optimising installation and access opportunities. Many of the valves shown in this catalogue are available from stock or within a short period of time. The dimensions shown in this catalogue apply to standard types – very often 1/2 NPT treaded. If you need the dimensions for your individual type please contact the factory.

Note: Not every configuration which can be created in the ordering information is feasible / available.

Continuous product development may from time to time necessitate changes in the details contained in this catalogue. AS-Schneider reserves the right to make such changes at their discretion and without prior notice.

All dimensions shown in this catalogue are approximate and subject to change.



Contents

Introduction	page 2
Contents	page 3
General Features	page 4
Valve Head Unit Options	page 5-11
Connections	page 12-13
Hand Valves	page 14-15
Gauge Valves	page 16-17
Multiport Gauge Valves	page 18-19
Block & Bleed and Double Block & Bleed Manifolds	page 20-21
L, Y & W-Shaped Manifolds	page 22-24
Remote Mounted Manifolds	page 25-27
Direct Mount Manifolds	
Wafer Style	page 28-33
Traditional Style	page 34-37
Integral Style	page 38-40
5 Valve Manifolds with Natural Gas Metering Pattern	page 41-42
Enclosure Manifolds EDM Series	page 43-45
Differential Pressure Gauge Manifolds	page 46-47
Accessories	page 48-53
Check Valves	page 54
Complementary Products	page 55

General Features

Material Group	AS Material Designation	Material No.	Short Name	Equivalent UNS-No.	Material Grade acc. to ASTM	E Series Needle Valves and Manifolds
Carbon Steel	A105				A105	Optional
	316 quadruple	1.4401	X5CrNiMo17-12-2	S31600	316	Standard
Austenitic Stainless Steel	certified*	1.4404	X2CrNiMo17-12-2	S31603	316L	Standard
	6Mo	1.4547	X 1CrNiMoCuN20-18-7	S31254		Standard
Austenitic-Ferritic	Duplex	1.4462	X2CrNiMoN22-5-3	S31803	F51	Standard
Stainless Steel	Superduplex	1.4410	X2CrNiMoN25.7.4	S32750	F53	Standard
	Alloy 400	2.4360	NiCu30Fe	N04400		Standard
Nickel Based	Alloy C-276	2.4819	NiMo 16 Cr 15 W	N10276		Standard
Alloys	Alloy 625	2.4856	NiCr22Mo9Nb	N06625		Standard
	Alloy 825	2.4858	NiCr21Mo	N08825		Optional
Titanium	Titanium Grade 2	3.7035	Ti-II	R50400		Optional

Body Material Options

* Quadruple Certified means 316 / 316L / 1.4401 / 1.4404

Standard Features

- Bore Size 5 mm
- Manifolds are not supplied with plugs unless specified.
- Anti-Tamper Head Unit Options see Page 11.

Needle Seal:

PTFE and Graphite Packings are available for all valve types. Alternatively O-Ring stem seal and Bellows Sealed Head Units – see Page 6–10.

Sour Gas Service:

Wetted Parts according to a.m. material list are supplied as standard according to NACE MR0175/MR0103 and ISO 15156 (latest issue) – Standard Material only (see last column), except Titanium Grade 2.

Pressure Test:

A shell test and a seat leakage test are performed at 1.5 times the max. allowable (working) pressure acc. to EN 12266-1 – P10, P11 and P12 respectively MSS-SP61 at every standard AS-Schneider E Series Needle Valve / Manifold \rightarrow 100% Pressure Tested!

Certification:

Inspection Certificate 3.1 acc. to EN 10 204 for valve body material and pressure test available on request.

- The manifolds can be provided by default with a
- CRN Certificate
- EAC Certificate Manifolds are marked with EAC

Valves with Graphite Packings are Fire Safe Tested and Certified according to ISO 10497 and API 607.

Optional Features

- Soft Seated Needle Valves: Bore Size 6.35 mm (1/4")
- Bore Size 10 mm

Fugitive Emission Application:

For Fugitive Emission Applications AS-Schneider is providing bellows sealed valves with safety packing. Choice of Pressure class PN 100 or PN 250. The bellows are submitted to a 100% Helium leak test. The leak rate is 10^{-8} mbar I/s. Optional available are TA-Luft and ISO 15848 solutions. For more details see Pages 9 and 10.

Oxygen Service:

AS-Schneider offers an option with Reinforced PTFE Packing cleaned and lubricated for Oxygen Service:

Pressure-Temperature Rating:

Max. 420 bar (6,092 psi) @ 60°C (140°F) Max. 200°C (392°F) @ 90 bar (1,305 psi)

Not every Valve Type is available for Oxygen Service!

If you don't find your options in this catalogue, please contact the factory.

Standard Valve Head Units

Standard Bonnet Design

T Handle

Ergonomic Handle Design. Operating options are Anti-Tamper features or a Stainless Steel Handwheel.

Valve Stem

Stem with cold rolled threads for high strength and smooth operation.

Needle Seal

Standard: PTFE or Graphite Packing Options: O-Ring or Bellows Sealed

Needle

Non-rotating Needle for smooth operation and minimum wear of sealing elements.

Back Seat

Metal to Metal secondary needle seal and therefore the needle is anti-blowout / non-removable – For your safety.

Needle Tip

Choices of Needle Tip Materials such as Stellite, and Soft Tips like PCTFE and POM.

Valve Seat

Metal seated (integral type) and Soft seated \rightarrow See Page 7 and Catalogue AS-4302.



Color Coded Dust Cap

For operating thread protection:

Isolate	
Vent/Test	
Equalize	

BLUE	
RED	
GREEN	

Color Coded Options

Following options are also color coded below dust cap:

Oxygen Service Graphite Packing FKM O-ring Stem Seal with PCTFE Soft Tip TA-Luft Option



Lock Pin

Eliminates unauthorized removal of the bonnet assembly.

Bonnet

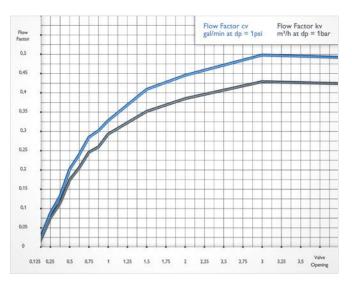
Metal to Metal Seal to Valve Body.

Traceability of Materials

All AS-Schneider E Series Valves and Manifolds have material traceability. A unique code is stamped on all valve bodies linking them with their material and chemical analysis certificates.

Flow Data

Needle Valves Standard Head Unit – Bore Size 5 mm



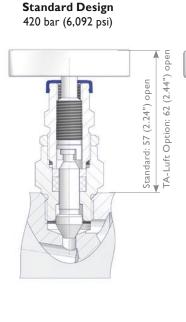
Standard Valve Head Units

Standard Needle Valves

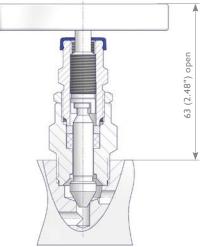
Screwed Bonnet - Stem Seal: Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Soft Tip PCTFE or POM optional
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Back Seat Metal to metal secondary needle seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thread protection
- Standard Packing in PTFE and Graphite available
- Carbon filled PTFE Packing TA-Luft option
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- 689 bar (10,000 psi) optional
- Panel Mount Option available
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel



High Pressure Design 689 bar (10,000 psi) and 500 bar (7,252 psi)



Body-to-Bonnet Seal is below the threads eliminating process fluid corrosion.

Panel Mount Option

Graphite Packing





Color Coded Options



TA-Luft Option



Components	Stainless Steel				Exotic Alloys			
Components				Material / N	1aterial No.			
Body								
Bonnet	244 / 2441	Alley 400	Allen C 27(Duslau		Allan (25	(Ma	Tite aliant Car 2
Needle	316 / 316L	Alloy 400	Alloy C-276	Duplex	UNS \$32750	Alloy 625	6Mo	Titanium Gr. 2
Pipe Plug								
Valve Stem				316 /	316L			
Gland				3	16			
Packing				PTFE or	Graphite			
Stem Nut				3	16			
Lock Nut				3	16			
Set Screw				3	16			
T Handle				3	16			
Lock Pin				A4	(316)			

Wetted components listed in **bold**.

Standard Valve Head Units

Needle Valves according ASME B31.1 (Power Piping)

Screwed Bonnet – Stem Seal: Graphite Packing Meet the requirements of ASME B31.1 (Power Piping). A Locking Plate eliminates an unauthorized removal of the bonnet.

Features

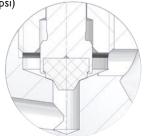
- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Back Seat Metal to metal secondary needle seal
- Locking Plate Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thred protection
- Max. allowable (Working) Pressure (PS): 414 bar (6,000 psi)
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel

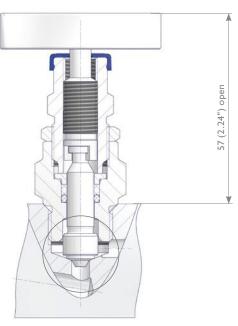


Screwed Bonnet - O-Ring Stem Seal

Features

- Integral Valve Seat
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Back Seat Metal to metal secondary needle seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thread protection
- O-Ring FKM, optional EPDM
- Soft Tip PCTFE or POM
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Panel Mount Option not available
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel







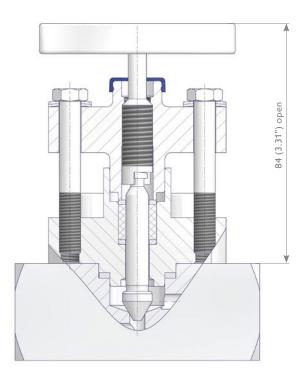
Color Coded Option FKM O-Ring Stem Seal with PCTFE Soft Tip

Needle Valves with OS&Y Bolted Bonnet

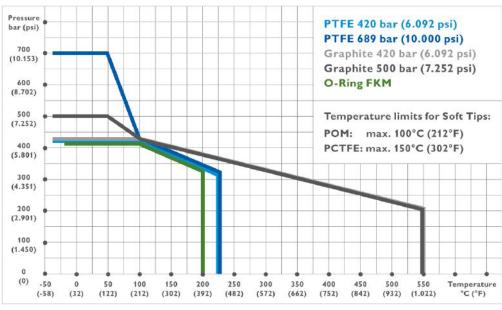
OS&Y Bolted Bonnet - Standard Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Spring Washers for compensation of thermal expansion
- Back Seat Metal to metal secondary needle seal
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Anti-Tamper Valve Head Options available
- PTFE or Graphite Packing
- Bonnet Seal Ring: Graphite
- All non-wetted parts in 316 stainless steel



Pressure-Temperature Rating for Standard Valve Head Units acc. to Page 6 – 8



Above-mentioned Pressure-Temperature Rating is based on the standard material 316 stainless steel. Other materials as shown on page 4 and 6 might have different Pressure-Temperature Ratings.

Low-temperature Limits:

- Standard Valves with PTFE and Graphite Packing: -40°C (-40°F)
- Valves with PTFE Packing and Arctic Operations Option, Code K: -55°C (-67°F)
- Valves with FKM O-Ring Needle Seal: -20°C (-4°F)
- Carbon Steel ASTM A105: -29°C (20.2°F)

<u>/!</u>

life of the valves. Valves that have not been cycled for a period of time

may have a higher initial actuation torque.

Packing adjustment may be required during the service

Valve Head Units for Fugitive Emission Applications

Needle Valves acc. to ISO 15848

Screwed Bonnet – Type 1 O-Ring Stem Seal + Graphite Packing Type 3 PTFE Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Back Seat Metal to metal secondary needle seal
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Anti-Tamper Valve Head Options available
- FKM O-Ring Needle Seal RGD (Rapid Gas Decompression) resistant
- PTFE or Graphite Packing
- All non-wetted parts in 316 stainless steel
- Types also comply with the requirements of TA-Luft 2002

OS&Y Needle Valves acc. to ISO 15848

OS&Y Bolted Bonnet – Type 1 O-Ring Stem Seal + Graphite Packing Type 3 PTFE Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Spring Washers for compensation of thermal expansion
- Back Seat Metal to metal secondary stem seal
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Anti-Tamper Valve Head Options available
- FKM O-Ring Stem Seal RGD (Rapid Gas
- Decompression) resistant
- PTFE or Graphite Packing
- Bonnet Seal Ring: Graphite
- All non-wetted parts in 316 stainless steel
- Types also comply with the requirements of TA-Luft 2002

ISO FE Performance Data

ISO FE Performance Data

Class A 1,500 cycles / -29°C to 40°C

Class A 500 cycles / -29°C to 200°C

Class B 1,500 cycles / -29°C to 200°C

Class B 1,500 cycles / -29°C to 200°C

(-20°F to 104°F)

(-20°F to 392°F)

(-20°F to 392°F)

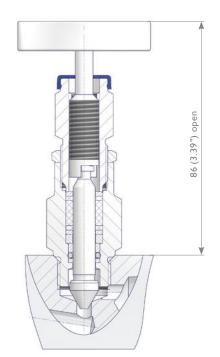
(-20°F to 392°F)

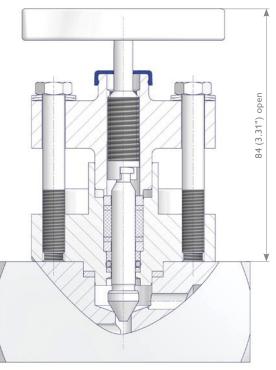
ISO FE Type 1:

ISO FE Type 3:

Class A 2,500 cycles / -29°C to 40°C (-20°F to 104°F) Class A 500 cycles / -29°C to 200°C (-20°F to 392°F) Class B 2,500 cycles / -29°C to 200°C (-20°F to 392°F)

ISO FE Type 3: Class B 2,500 cycles / -29°C to 200°C (-20°F to 392°F)





Valve Head Units for Fugitive Emission Applications

Bellows Sealed Head Units

Screwed Bonnet – PN 100 and Graphite Safety Packing PN 250 and Graphite Safety Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Stem
- Bellows sealed PN 100 and PN 250 incl. Graphite Safety Packing
- Stem with cold rolled threads
- Stellite Needle Tip as standard
- Bellows are submitted to a 100% Helium leak test
- Leak rate: 10⁻⁸ mbar l/s
- Valves for Oxygen Service on request

Bellows Sealed Head Units are mainly used for applications requiring the highest tightness class – such as toxic or vacuum service.



Packing adjustment may be required during the service life of the valves.



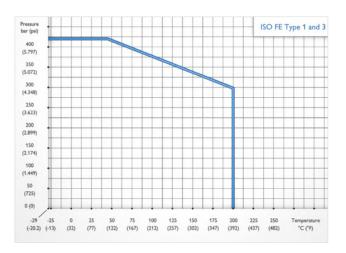
Valves that have not been cycled for a period of time may have a higher initial actuation torque.

When delivered ex factory, the safety packing of the bellows sealed valve is not fully tightened. In the event of a bellows failure the safety packing must be tightened in order to avoid fluid leakage.

Pressure-Temperature Rating

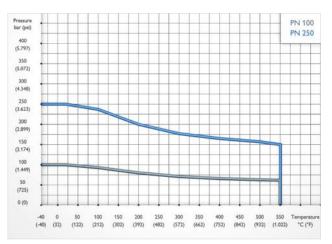
ISO FE Type 1 FKM C ISO FE Type 3 PTFE P

FKM O-Ring and Graphite Packing PTFE Packing



Pressure-Temperature Rating

Bellows PN 100Safety Packing GraphiteBellows PN 250Safety Packing Graphite



Above-mentioned Pressure-Temperature Rating is based on the standard material 316 stainless steel.

Other materials as shown on page 4 and 6 might have different Pressure-Temperature Ratings.

PN 100: 108 (4.25") open PN 250: 137 (5.39") open

Valve Head Unit Options

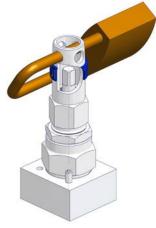
Anti-Tamper Valve Head Unit Options

AS-Schneider is providing 2 Anti-Tamper Valve Head Units, both types are lockable with a padlock.

Standard Anti-Tamper Head Unit

The valves are operated with a special Anti-Tamper Key (AT-Key), which fits exactly in the key guide. The valve can therefore only be operated with the AT-Key. In addition to this safety function, installing a padlock prevents the AT-Key being inserted into the key guide. Operating the valve is therefore no longer possible which protects your equipment against unauthorized opening and closing of the valve head units. The valve can be locked reliably in every position required.





Option Code T or R

Part Number ATK-ES

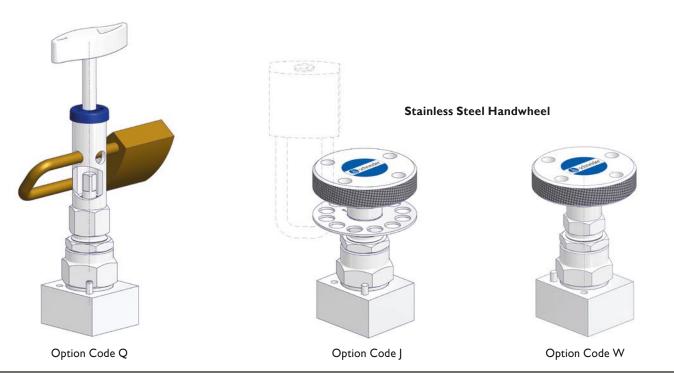
Incl. Padlock; Option Code U

'AT-Key Lock' Anti-Tamper Head Unit (Option Code Q)

'AT-Key Lock' valves are operated by a AT-Key which is an integral component of the valve. This Key can be extracted a little from the valve head unit which loosens the connection between the valve stem and the Key. In this extended position a padlock can now be hooked diagonally in the valve head unit which prevents the Key being inserted again. Operating the valve is therefore no longer possible which protects your equipment against unauthorised opening and closing of the valve. The valve can be locked reliably in every position required. This design offers you optimal security against unintentional and unauthorized operation of the valve. A color coded dust cap protects stem threads against ingress of dirt unauthorized opening and closing of the valve head units. The valve can be locked reliably in every position.

Stainless Steel Handwheel and 'Locking Plate' Design

The valves can be ordered optional with Stainless Steel Handwheel (Option Code W) and also with an additional fitted locking plate (Option Code J). For ordering the 'Locking Plate' Design incl. padlock you need to state J and U. This design allows minimum handle movements and is ideal as protection against unauthorised closing of the valve.



Connections

Connections

AS-Schneider is manufacturing a lot of different connections and connection combinations. In this catalogue we are showing the most popular types. On the next 2 pages you will find the standard connections in detail. If you don't find your option please contact us.

Designations used in the tables: Inlet = Process Connection I Outlet = Instrument / Transmitter Connection

Tube Fittings

Single Ferrule Tube Fittings acc. to EN ISO 8434-1 Size S



Twin Ferrule Tube Fittings



Tapered Pipe Threads

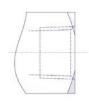
NPT Male Threads acc. to ASME B 1.20.1

BSP Tapered Thread acc. to ISO 7/1 (e.g. R 1/2)



NPT Female Threads acc. to ASME B 1.20.1

BSP Tapered Thread acc. to ISO 7/1 (e.g. Rc 1/2)



Parallel Pipe Threads

BSP Parallel Male Thread acc. to ISO 228 (e.g. G1/2) acc. to DIN 3852 acc. to EN 837-1

Weld Ends

Butt Weld Ends for Pipes and Tubes acc. to EN12627 / ASME B16.9



BSP Parallel Female Threads acc. to ISO 228 (e.g. G 1/2) acc. to DIN 3852-2 Form Z acc. to ISO 7/1 (e.g.) R 1/2 acc. to EN 837-1

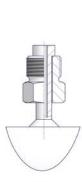
Socket Weld Ends for Pipes and Tubes acc. to EN12760 / ASME B16.11



Pressure Gauge Connections -For Parallel Pipe Threads only

Swivel Male Connection

Swivel Nut (Wire Design)





Adjusting Nut acc. to DIN 16283

Swivel Nut (Welded Nipple Design) acc. to DIN 16284





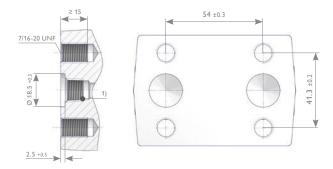


Connections | DIN EN 61518 / IEC 61518

Flange Connections

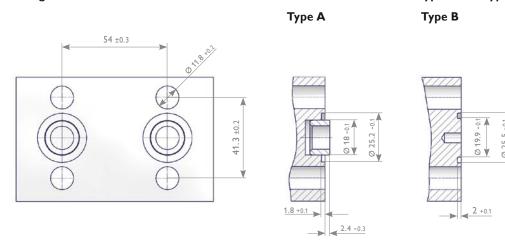
According to DIN EN 61518 the manifold-transmitter interface is applicable for a max. allowable (Working) Pressure (PS) of 413 bar^{*3} (6,000 psi) and a max. allowable Temperature (TS) of 120°C (248°F) for liquids, gas or vapors. The max. allowable Temperature (TS) of 120°C (248°F) of 120°C (248°F) is considering the requirement that manifolds and transmitters need to be protected against heating by hot media. This can be achieved by using adequate hook-ups or by instrument impulse lines with sufficient length. However the AS-Schneider E Series Manifolds can be used for temperatures up to 550°C (1,022°F), PTFE up to 232°C (450°F), Graphite up to 550°C (1,022°F).

Flange Connections – Inlet Manifold respectively Transmitter Connection DIN EN 61518 / IEC 61518



¹⁾ Threaded option for transmitters – plug / vent valve

Flange Connections – Manifold to Transmitter DIN EN 61518 / IEC 61518 Type A and Type B



	Co	onnection at the mar	nifold acc. to IEC 615	518 / DIN EN 615	18 ^{*1 *3}
		Type A with spigo	ot	Type B w	ithout spigot
Max. allowable (Working) Pressure (PS) in bar (psi)		413 (6,000) ^{*3}		413 (6,000) ^{*3}
Temperature Range in °C (°F)	-10 to +80 (14 to 176)	-15 to +120 (5 to 248)	-40 to +120 (-40 to 248)	-10 to +80 (14 to 176)	-40 to +120 (-40 to 248)
Seal Ring ^{*2}	Flat Ring 24 x 17.7 x 2.7 Material: PTFE	O-Ring ISO 3601-1 20 x 2.65 S-FPM90 Material: FPM (FKM by ASTM)	Flat Ring 25.1 x 18 x 2.9 Material: Graphite	Flat Ring 25.4 x 20 x 2.7 Material: PTFE	Flat Ring 25.4 x 19.9 x 2.9 Material: Graphite
Min. Thread Engagement in mm		9			9

*1 DIN EN 61518 / IEC 61518 I Mating dimensions between pressure measuring instruments and flanged-on shut-off devices up to 413 bar (6,000 psi).

^{*2} Materials and temperature limits for the flat rings and the O-Rings are for reference only. It is the responsibility of the user to ensure compatibility between the selected gasket ring material and the process requirements, such as pressure, temperature, and chemical compatibility.

*3 IEC 61518 is stating 413 bar (6,000 psi), AS-Schneider however confirms 420 bar (6,092 psi).

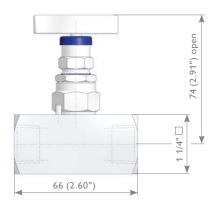
Hand Valves

Hand Valves

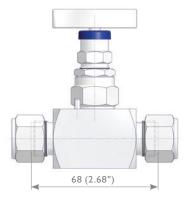
AS-Schneider Hand Valves are available with a lot of options. We are showing on this page just the standard types. You find a lot more options on the next page – Ordering Information Hand Valves.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

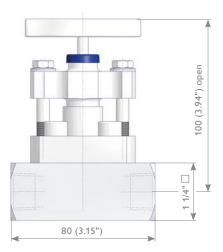
Hand Valve Female x Female Threaded HAFF Type



Hand Valve with Integral Tube Fittings HATT Type



Hand Valve with OS&Y Bolted Bonnet HFFF Type

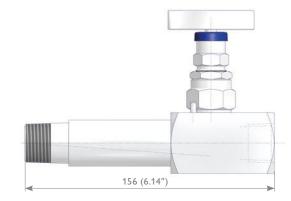


Hand Valve Male x Female Threaded HAMF Type





Hand Valve with Extended Body HXMF Type Extended by approx. 3"



Angle Hand Valve HLMF Type



Bore Size 10 mm: Depending on connection size Width = 1 1/4"

Hand Valves

Ordering Information

	ering information																			
					4	2	2		F	,	7	0	0	40	44	42	42		45	47
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					н	Α	Т	Т	S	Α	-	R	4	R	4	-	Μ	S		
Н	Hand Valves																			
	Basic Design																			
A F	Screwed Bonnet OS&Y Bonnet	L X	Angle Hand Valve (Screwed Extended Body (Screwed Bon		et)															
	Inlet																			
M F T	Male Female Integral Tube Fitting	B S A	Butt Weld End Socket Weld End 1/2 NPT with Tube Fitting																	
	Outlet																			
M F	Male Female	B S	Butt Weld End Socket Weld End																	
Т	Integral Tube Fitting	A	1/2 NPT with Tube Fitting																	
	Material	-	5 1 10 10 00 1000																	
S M H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276	F D V	Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625	B T	6Mo UNS Titanium G															
	Bonnet																			
A	PTFE	К	O-Ring FKM (FPM by ISO)																	
B	Graphite ISO FE Series Type 1	2	Carbon filled PTFE – TA-Luft Bellows sealed PN 100 Bellows sealed PN 250																	
E	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet Thread Type		Fitting Type		Butt Weld	End			Socke	t Weld	End									
Ν	NPT	С	Single Ferrule Tube Fitting	4	1/2" Pipe	Liiu		D			pe (Ø 12	2 mm)								
H R	BSP Parallel (G) – DIN 3852-2 BSP Taper (R/Rc) – ISO 7/1	к	Twin Ferrule Tube Fitting	6 D E	3/4" Pipe 12 mm 14 mm			E 2		• mm Tul 4" Pipe	be (Ø 14	.25 mm)							
	Inch Sizes		Tube Fitting Sizes		Wall Thick	mess B	utt Weld	А	Socke	t Weld	I									
2	1/4	1	6 resp. 6S	Р	Schedule 8															
4 6	1/2 3/4	2 3	8 resp. 8S 10 resp. 10S	Q 2	Schedule 1 2.0 mm	60														
		4	12 resp. 12S	8	2.6 mm															
		7 8 9	1/4" 3/8" 1/2"	A	3.2 mm															
	Outlet																			
	Thread Type		Fitting Type		Butt Weld	End			Socke	t Weld	End									
Ν	NPT	С	Single Ferrule Tube Fitting	4	1/2" Pipe			D			pe (Ø 12									
H R	BSP Parallel (G) - DIN 3852 BSP Taper (R/Rc) - ISO 7/1	к	Twin Ferrule Tube Fitting	6 D E	3/4" Pipe 12 mm 14 mm			E 2		mm Tul 4" Pipe	be (Ø 14	.25 mm)							
	Inch Sizes		Tube Fitting Sizes		Wall Thick		utt Weld	А	Socke	t Weld	I									
2 4	1/4 1/2	1 2	6 resp. 6S 8 resp. 8S	P Q	Schedule 8 Schedule 1															
6	3/4	3	10 resp. 10S	2	2.0 mm	00														
		4	12 resp. 12S	8	2.6 mm															
		7 8	1/4" 3/8"	A	3.2 mm															
	Options - Specify in alpha	9 Ibetica	1/2" Il order (digits first, then lett	ters)																
В			Service – For PTFE Packing only																	
F	PCTFE Soft Tip		0																	
G S	POM Soft Tip Stellite Valve Tip																			
P P	Stellite Valve Tip 10,000 psi (689 bar) for PTFE	E Packir	ng I 7,252 psi (500 bar) for Grap	hite Pa	acking															
Р	Power Piping ASME B31.1 - F	or Gra	phite Packing only																	
K M	Arctic Operations (-55°C (-6 Wetted Parts with 3.1 certified		For PTFE Packing only																	
C	Panel Mounting	cate																		
1	Operation Options	with L	acking Plata Dasier																	
J T	Stainless Steel Handwheel v Anti-Tamper Bonnet (Key to																			
R	Anti-Tamper Bonnet (1 Key s																			
Q	AT-Key Lock Bonnet Design	not / A	T Koy Lock Parate Davies																	
U W	Padlock for Anti-Tamper Bon Stainless Steel Handwheel	net / A	I-Ney Lock Bonnet Design																	

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Gauge Valves

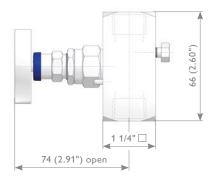
Gauge Valves

AS-Schneider Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are equipped with a bleed screw. We are showing on this page just the standard types.

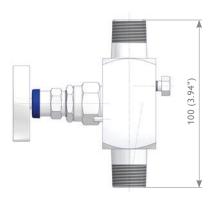
You find a lot more options on the next page – Ordering Information Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT / G 1/2 Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

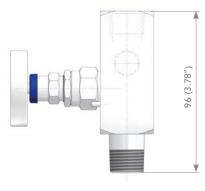
Gauge Valve Female x Female Threaded GSFF Type



Gauge Valve Male x Male Threaded GSMM Type

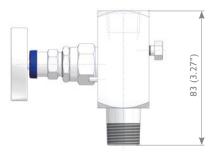


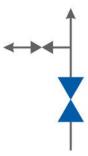
Gauge Valve Male x Female Threaded GAMF Type



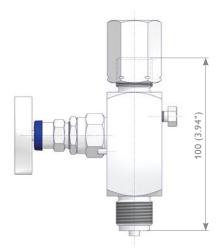
Female Threaded Vent Connection - Pipe Plug installed

Gauge Valve Male x Female Threaded GSMF Type





Gauge Valve Male x Adjusting Nut GSMG Type





Gauge Valves

Ordering Information

					1	2	3	4	5	6	/	8	9	10	11	12	13	14	15	
					G	i S	М	F	S	В		Ν	4	Ν	4	-	Μ			
à	Gauge Valves																			
-	Vent Connection																			
S	Bleed Screw	С	G 1/4 Female																	
4 3	1/4 NPT Female 1/2 NPT Female	D	G 1/2 Female																	
	Inlet																			
1	Male	B	Butt Weld End																	
	Female Integral Tube Fitting	S A	Socket Weld End 1/2 NPT with Tube Fitting																	
	Outlet																			
1	Male	G	Adjusting Nut (For Connecti																	
-	Female	D	Swivel Nut [Wire Design] (F	or Co	nnection C	ode G2,	G4 and M	4 only)												
	Material																			
S M H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276	F D V	Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625	B T	6Mo UN Titanium															
	Bonnet																			
A	PTFE	К	O-Ring FKM (FPM by ISO)																	
3	Graphite ISO FE Series Type 1	W 2	Carbon filled PTFE – TA-Luft Bellows sealed PN 100																	
E	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Type	read Type Butt Weld End Socket Weld End																		
3	NPT BSP Parallel (G) – EN 837-1	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	4 6	1/2" Pipe 3/4" Pipe			D			oe (Ø 12 oe (Ø 14		,							
4	BSP Parallel (G) – DIN 3852			D	12 mm			2		4" Pipe		,								
R M	BSP Taper (R/Rc) – ISO 7/1 Metric similar to EN 837-1			E	14 mm															
	Inch Sizes		Tube Fitting Sizes		Wall Th	ickness I	lutt Weld	A	Socke	t Weld										
2	1/4	4 5	12 resp. 12S	P	Schedule Schedule															
4 6	1/2 3/4	9	14 resp. 14S 1/2"	Q 2	2.0 mm	160														
				8 A	2.6 mm 3.2 mm															
	Metric Size			~	5.2 mm															
4	M 20 × 1.5																			
	Outlet																			
J2	Male / Female Thread Sizes 1/4 NPT Female Thread only	G2	Thread Sizes EN 837-1 - G 1/4 (1/4 BSP P)	Femal	e Threads (only														
v4	1/2 NPT	G4	G 1/2 (1/2 BSP P)																	
\ 4	R/Rc 1/2 – ISO 7/1 (1/2 BSPT) Female Thread only	M4	M 20 × 1.5																	
	Options - Specify in alphab	oetica	l order (digits first, then let	ters)																
В	Cleaned and Lubricated for O	xygen	Service – For PTFE Packing on	ly																
F G	PCTFE Soft Tip POM Soft Tip																			
S	Stellite Valve Tip																			
H P	10,000 psi (689 bar) for PTFE Power Piping ASME B31.1 - Fo			phite P	acking															
P K	Arctic Operations (-55°C (-67																			
м С	Wetted Parts with 3.1 certifica Panel Mounting																			
	Operation Options																			
J	Stainless Steel Handwheel w	ith Lo	cking Plate Design																	
т	Anti-Tamper Bonnet (Key to b																			
R Q	Anti-Tamper Bonnet (1 Key su AT-Key Lock Bonnet Design	pplied	per Valve/Manifold)																	
	Padlock for Anti-Tamper Bonn	et / AT	-Key Lock Bonnet Design																	
U	Stainless Steel Handwheel																			
V J	Stanless Steel Handwheel																			

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Multiport Gauge Valves

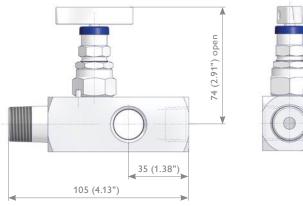
Multiport Gauge Valves

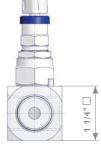
AS-Schneider Multiport Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are provided with 3 female outlet ports and are therefore suitable for vertical or horizontal installations.

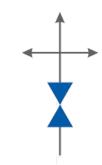
Accessories like Pipe Plugs and Vent Valves can be ordered separately or already factory installed – see also options next page – Ordering Information Multiport Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

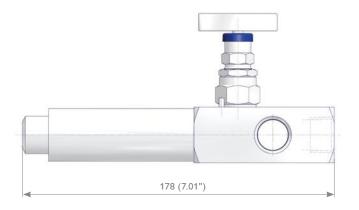
Multiport Gauge Valve – Screwed Bonnet MAMA Type

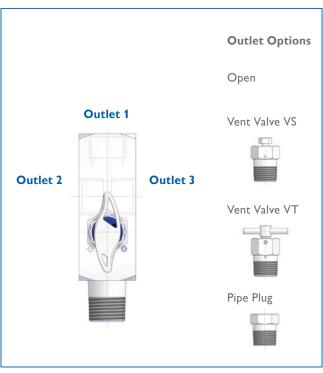






Multiport Gauge Valve with Extended Body MXBA Type Extended by approx. 3"





Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				Ì	М	А	В	В	S	А	-	6	Ρ	Ν	4	-	S			
М	Multiport Gauge Valves																			
	Basic Design																			
A F	Screwed Bonnet OS&Y Bonnet																			
x	Extended Body (Screwed Bonne	t)																		
	Inlet																			
М	Male	В	Butt Weld End																	
F	Female	S	Socket Weld End																	
^	Outlet 3 x Female																			
A B	Outlet 1 – Female, Outlet 2 –	Pipe Pl	ug, Outlet 3 – Vent Valve VS																	
C D	Outlet 1 – Female, Outlet 2 – Outlet 1 – Female, Outlet 2 and		-																	
	Material																			
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В	6Mo L															
M H	Alloy 400 UNS N04400 Alloy C-276 UNS N10276	D V	Super Duplex UNS S32750 Alloy 625 UNS N06625	т	Titaniu	um Gra	de 2													
	Bonnet																			
A	PTFE	K	O-Ring FKM (FPM by ISO)																	
B D	Graphite ISO FE Series Type 1	2	Carbon filled PTFE – TA-Luft Bellows sealed PN 100																	
Е	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
N	Thread Type NPT	4	Butt Weld End 1/2" Pipe																	
н	BSP Parallel (G) – DIN 3852	6	3/4" Pipe																	
	Inch Sizes		Wall Thickness Butt Weld																	
2 4	1/4 1/2	P	Schedule 80 Schedule 160																	
6	3/4	4	4.0 mm																	
	Outlet																			
N 12	Thread Sizes - Female Thre																			
N2 N4	1/4 NPT 1/2 NPT	H4	G 1/2 (1/2 BSP P) - DIN 3852																	
	Options - Specify in alphabe	etical o	order (digits first, then letters)																	
В	Cleaned and Lubricated for Ox																			
F	PCTFE Soft Tip																			
G S	POM Soft Tip Stellite Valve Tip																			
н	10,000 psi (689 bar) for PTFE P	-	l 7,252 psi (500 bar) for Graphite P	acking																
P K	Power Piping ASME B31.1 – For Arctic Operations (-55°C (-67°																			
M	Wetted Parts with 3.1 certificat		2 . 401018 0/11/																	
	Operation Options																			
J T	Stainless Steel Handwheel wit Anti-Tamper Bonnet (Key to be																			
R	Anti-Tamper Bonnet (1 Key sup																			
Q	AT-Key Lock Bonnet Design	+ / AT -	and and Report Device																	
U W	Padlock for Anti-Tamper Bonne Stainless Steel Handwheel	:u / AI-K	ley Lock bonnet Design																	

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Block & Bleed and Double Block & Bleed Manifolds

Block & Bleed and Double Block & Bleed Manifolds

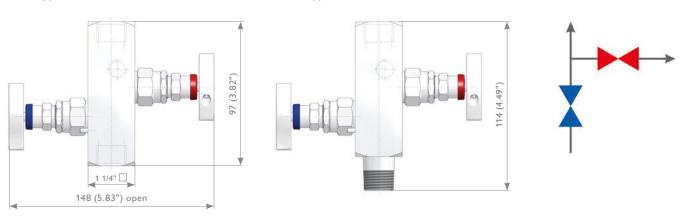
AS-Schneider Block & Bleed and Double Block & Bleed Manifolds are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) – see also options next page – Ordering Information Block & Bleed Manifolds. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

Block & Bleed Manifolds - Female Threaded Instrument Connection

SAFF Type

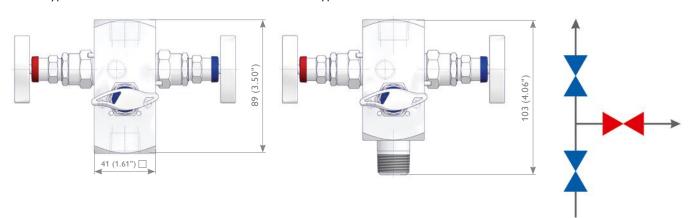
SAMF Type



Double Block & Bleed Manifolds - Female Threaded Instrument Connection

CAFF Type

CAMF Type





Block & Bleed and Double Block & Bleed Manifolds

Ordering Information

										_		_				_		_	_	
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					5	A	IM	F	M	A	-	N	4	N	4	-	9	Q	U	
S	Block & Bleed Manifolds																			
С	Double Block & Bleed Ma	nifold	5																	
	Vent Connection																			
A	1/4 NPT Female	с	G 1/4 Female																	
В	1/2 NPT Female	D	G 1/2 Female																	
	Inlet																			
М	Male	В	Butt Weld End																	
F T	Female Integral Tube Fitting	S A	Socket Weld End 1/2 NPT with Tube Fitting																	
	Outlet																			
М	Male	G	Adjusting Nut (For Connect	ion Co	de G2, G4 an	id M4 on	ly)													
F	Female	D	Swivel Nut [Wire Design] (F	or Co	nnection Cod	e G2, G4	4 and M4	only)												
	Material																			
S M	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400	F	Duplex UNS S31803 Super Duplex UNS S32750	B T	6Mo UNS S Titanium G															
н	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625		Thanhum G															
	Bonnet																			
А	PTFE	К	O-Ring FKM (FPM by ISO)																	
B D	Graphite ISO FE Series Type 1	W 2	Carbon filled PTFE – TA-Luft Bellows sealed PN 100	t																
E	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Type		Fitting Type		Butt Weld	l End				et Weld										
N G	NPT BSP Parallel (G) – EN 837-1	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	4 6	1/2" Pipe 3/4" Pipe			DE			oe (Ø 12 oe (Ø 14									
н	BSP Parallel (G) – DIN 3852			D	12 mm			2		4" Pipe	- (-	,								
R M	BSP Taper (R/Rc) – ISO 7/1 Metric similar to EN 837-1			E	14 mm															
	Inch Sizes		Tube Fitting Sizes		Wall Thick	mess Bu	tt Weld	A	Socke	t Weld										
2	1/4	4	12 resp. 12S	Ρ	Schedule 8		ee vvera	~	oocht	e vvelu										
4	1/2 3/4	5 9	14 resp. 14S 1/2"	Q 2	Schedule 16 2.0 mm	60														
				8	2.6 mm															
				A	3.2 mm															
4	Metric Size M20×1.5																			
	Outlet																			
	Male / Female Thread Size	es			Thread Si	zes EN	837-1 -	Female	Thread	s only										
N2	1/4 NPT Female Thread only				G 1/4 (1/4 E															
N4 R4	1/2 NPT R/Rc 1/2 – ISO 7/1 (1/2 BSPT) I	Female	Thread only		G 1/2 (1/2 E M 20 x 1.5	BSP P)														
			l order (digits first, then let	tters)																
В	Cleaned and Lubricated for O																			
F G	PCTFE Soft Tip POM Soft Tip																			
s	Stellite Valve Tip																			
A H	Vent Ports Plugged 10,000 psi (689 bar) for PTFE	Packin	g 7.252 psi (500 bar) for Gra	phite P	acking															
Ρ	Power Piping ASME B31.1 - Fe	or Gra	phite Packing only	r	8															
K M	Arctic Operations (-55°C (-67 Wetted Parts with 3.1 certific		For PTFE Packing only																	
	Operation Options																			
J	Stainless Steel Handwheel w																			
T R	Anti-Tamper Bonnet (Key to b Anti-Tamper Bonnet (1 Key su																			
Q	AT-Key Lock Bonnet Design																			
U W	Padlock for Anti-Tamper Bonr Stainless Steel Handwheel	net / Al	FKey Lock Bonnet Design																	
	Accessory Kits																			
8	SST Mounting Bracket AKM-S																			
9	SST Mounting Bracket AKM	-G Typ	pe for 2" Pipe Mounting supp	lied se	parately – Fo	or Vertic	al Impul	se Pipi	ng Instal	lations	of Doub	le Blocl	< & Ble	ed Mani	folds 1	ype C				

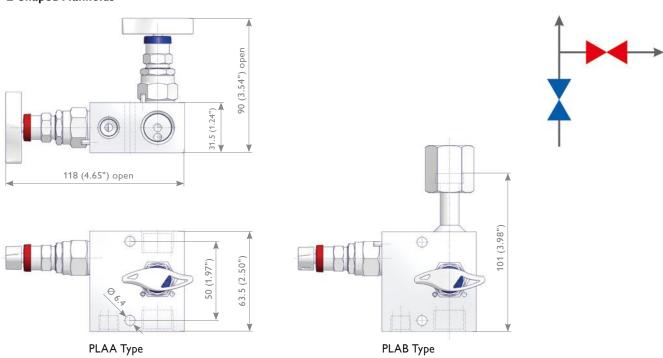
Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

L, Y & W-Shaped Manifolds

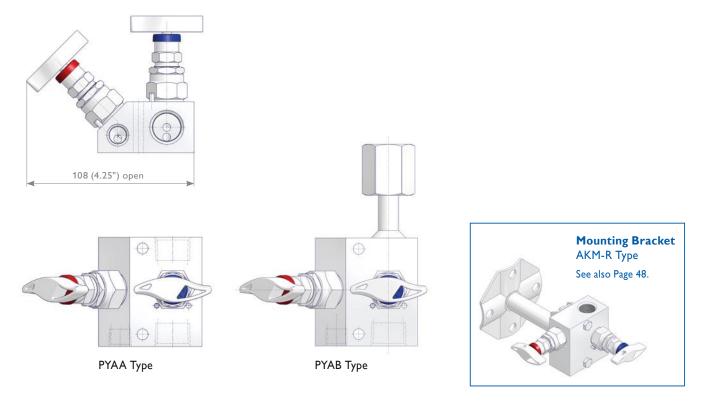
AS-Schneider L, Y & W-Shaped Manifolds are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) – see also options Page 24 – Ordering Information L, Y & W-Shaped Manifolds. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

L-Shaped Manifolds

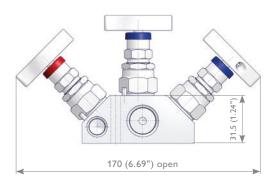


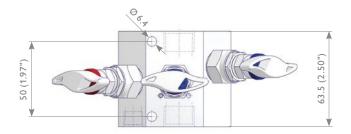
Y-Shaped Manifolds

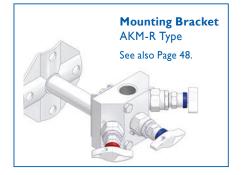


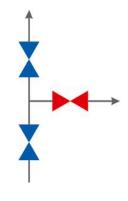
L, Y & W-Shaped Manifolds

W-Shaped Manifolds PWAA Type









L, Y & W-Shaped Manifolds

Ordering Information

P LV 24 V54 V54 V54 V54 V54 V54 V54 V54 V54 V5					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Image: Second					Р	L	A	В	S	A	-	Ν	4	G	4	-	A	Μ	S		
Image: Second	в	L V 8 W/ Shanad Manifolds																			
i. Spingel Bornes Contantion	r																				
V Magna Rouse Contention - Outset Brock & Brock & Brock & Brock - Too V Magna Rouse Contention - Outset Brock & Brock & Brock & Brock - Too V 144 VFF mach V V Factor V V V Factor V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																					
Image: Second																					
i 14 More Threads i 14 More Threads i i 12 MORE Threads off Africania i	W	W-Shaped Bonnet Orientation \rightarrow I	Double	Block & Bleed Type																	
8 10.47 Franka - Cov/ Type H., J. C 14.47 Franka - Cov/ Type H., J. C		Vent Connection																			
n Final S Gil 2 With Table Fining X 0 Gil 2	B C	1/2 NPT Female – Only Type PL G 1/4 Female	G H	1/4 NPT with Tube Fitting 12 mm G 1/4 with Tube Fitting 6 mm G 1/4 with Tube Fitting 12 mm																	
8 Finale x Swine Nuk F 1/2 APT vin the Fining x 9 1/2 APT vin the Fining x 1/2 APT vin the Fining x 9 1/2 APT vin the Fining x 1/2 APT vin the Fining x 9 1/2 APT vin the Fining x 1/2 APT vin the Fining x 9 Alloy C325 LNS N10276 7 1/2 APT vin the Fining x 9 Alloy C325 LNS N10276 7 Xinoy C325 LNS N10276 7 0 Store Signer N1 0 Same Dise L 0 Store Signer N1 0 Alloy C325 LNS N10276 7 0 Store Signer N1 0 Same Dise L 0 Store Signer N1 0 Belows staled N1 00 10 Store Signer N1 0 Same Dise L 10 Store Signer Signer N1 0 Same Dise L 10 Store Signer Signer N1 0 Same Di		Inlet x Outlet Configuration																			
s 1440/14640/1540/104 r Depice LNK S37250 T Tenamon Grade 2 Alloy -270 EXEN N0276 V Alloy -270 EXEN N0276 T Tenamon Grade 2 Alloy -270 EXEN N0276 V Alloy -270 EXEN N0276 T Tenamon Grade 2 B Graphice V Carbon filed PTFE - TALuit Tenamon Grade 2 D SO FE Sries Type 1 2 Belows seaded PN 100 V D SO FE Sries Type 1 2 Belows seaded PN 100 V D SO FE Sries Type 1 2 Seadews seaded PN 100 V D SO FE Sries Type 1 2 Seadews seaded PN 100 V V D SO FE Sries Type 1 2 Seade Ferrule Tube Fitting V V D So FE Sries Type 1 2 Seade Ferrule Tube Fitting V V Thread Type The Fitting Tipe 1 12 Belows seaded PN 100 V V Thread Type The Fitting Tipe 1 12 V Thread Type 1 V V 11/2 Thread Type 1 12 Seadewseadews 100 V V	B C	Female x Swivel Nut 1/2 NPT with Tube Fitting x Female 1/2 NPT with Tube Fitting x		-	Nut																
N Aloy 400 UNS N04400 D Siger Duplex UNS 03253 T Tanium Grade 2 H Aloy - 6276 UNS N10276 V Aloy 6253 UNS N106623 T Tanium Grade 2 B Firster Strand		Material																			
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		-																			
Netted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.																					

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

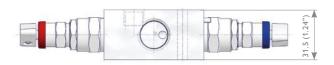
Remote Mounted Manifolds

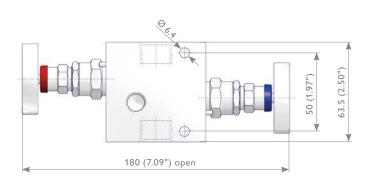
Remote Mounted Manifolds (2, 3 and 5 Valve Manifolds)

AS-Schneider Remote Mounted Manifolds are designed for remote installation from Pressure Instruments and Differential Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard to 2 and 5 Valve Manifolds. For plugged vent ports (factory installed) - see also options Page 27 – Ordering Information Remote Mounted Manifolds. The standard type of 3 Valve Manifolds is the one without vent connection. The 3 Valve Manifolds with vent connection are supplied with installed pipe plugs as standard. Accessories like Mounting Brackets, Swivel Gauge Adaptors, Pipe Plugs etc. see also Pages 48-53.

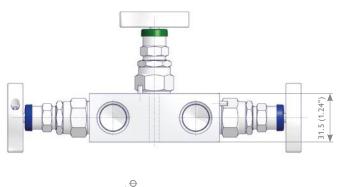
The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

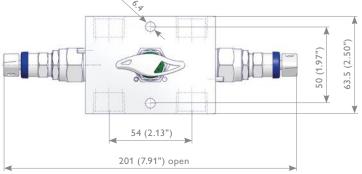
2 Valve Manifolds, Remote Mounted R2AA Type

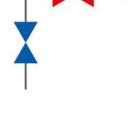


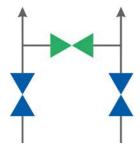


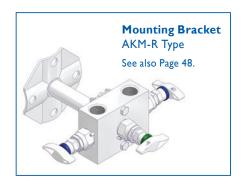
3 Valve Manifolds, Remote Mounted without Vent Connection R3AA Type



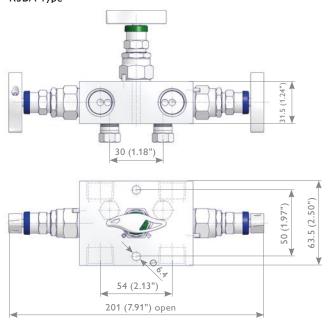








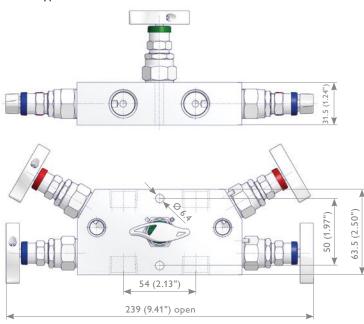
Remote Mounted Manifolds



3 Valve Manifolds, Remote Mounted with Vent Connection 1/4 NPT Female R3BA Type

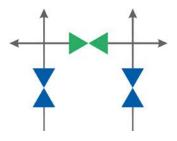
AKM-R Type Mounting Bracket not suitable.

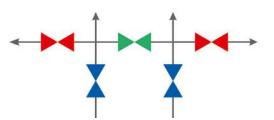
5 Valve Manifolds, Remote Mounted R5AA Type

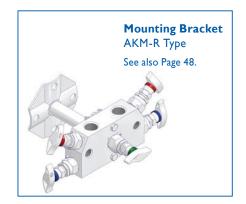


Vent Ports on Process Side R5GA Type









Remote Mounted Manifolds

Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					R	3	В	С	н	А		S	9	S	9		R	U		
R	Remote Mounted Manifold	c .																		
K																				
	Quantity Bonnets – 2, 3 or 5	,																		
A	Vent Connection Standard – 2 Valve / 5 Valve Mar	nifold w	vith Vent Ports 1/4 NPT Female.																	
В	3 Valve Manifold without Vent Vent Ports 1/4 NPT Female – F	t Port																		
G	Vent Ports 1/4 NPT on Proce																			
	Inlet and Outlet																			
A	Female Connections																			
B C	1/4 NPT with Tube Fittings 1/2 NPT with Tube Fittings																			
	Material																			
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В		UNS S3														
M H	Alloy 400 UNS N04400 Alloy C-276 UNS N10276	D V	Super Duplex UNS S32750 Alloy 625 UNS N06625	Т	litan	ium Gra	ade Z													
	Bonnet																			
A B	PTFE	K W	O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft																	
D	Graphite ISO FE Series Type 1	2	Bellows sealed PN 100																	
Е	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
N	Thread Type NPT	с	Fitting Type Single Ferrule Tube Fitting																	
		к	Twin Ferrule Tube Fitting																	
	Thread Size		Tube Fitting Sizes																	
2 4	1/4 1/2	4 9	12 resp. 12S 1/2"																	
	Outlet																			
	Thread Type		Fitting Type																	
Ν	NPT	с к	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting																	
	Thread Size		Tube Fitting Sizes																	
2	1/4	4	12 resp. 12S																	
4	1/2	9	1/2"	、																
В	Cleaned and Lubricated for Ox		order (digits first, then letters)																
F	PCTFE Soft Tip	78011 0																		
G	POM Soft Tip																			
S A	Stellite Valve Tip Vent Ports Plugged																			
н		acking	I 7,252 psi (500 bar) for Graphite	Packing																
P	Power Piping ASME B31.1 – For																			
к М	Arctic Operations (-55°C (-67° Wetted Parts with 3.1 certificat		OF FIFE FACKING ONLY																	
	Operation Options																			
J T	Stainless Steel Handwheel win Anti-Tamper Bonnet (Key to be		· ·																	
R	Anti-Tamper Bonnet (1 Key sup																			
Q	AT-Key Lock Bonnet Design	+ / AT	Key Lock Pornet Design																	
U W	Padlock for Anti-Tamper Bonne Stainless Steel Handwheel	et / AI-ł	rey lock bonnet Design																	
	Accessory Kits																			
8	SST Mounting Bracket AKM-R	Type fo	or 2" Pipe Mounting supplied separa	ately – F	or Vertic	al Impu	lse Pipin	g Installa	tions											

8 SST Mounting Bracket AKM-R Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Direct Mount Manifolds (2, 3 and 5 Valve Manifolds)

AS-Schneider Direct Mount Manifolds are designed for direct mounting to Pressure and Differential Pressure Transmitters – either Transmitters with standard flange connection in accordance with DIN EN 61518 / IEC 61518 or alternatively to Rosemount 2051/3051 Coplanar[™] Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard to 2 and 5 Valve Manifolds. For plugged vent ports (factory installed) and other options see Page 33, 37 and 40 – Ordering Information Direct Mount Manifolds.

The standard type of 3 Valve Manifolds is the one without vent connection. 3 Valve Manifolds with vent connection are supplied with installed pipe plugs as standard. Integral Style 3 Valve Manifolds with CoplanarTM flange connection are provided with vent connections 1/4 NPT female as standard – plugged with vent valves type VS.

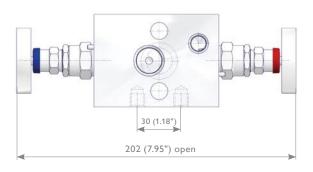
We differentiate between Wafer Style Manifolds (see Page 28-33) and Traditional Style Manifolds (see Page 34-37), the Wafer Type for the Rosemount 2051/3051 Coplanar[™] Pressure Transmitter is just called Coplanar[™] Style Manifold. You will find the Integral Manifolds for 2051/3051 Coplanar[™] Pressure Transmitters on Page 38-40. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

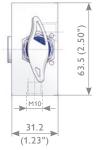
The dimensions shown apply only to the illustrated values (1/2 NPT Threaded / Flange Interface DIN EN 61518) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

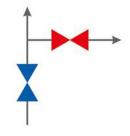
Wafer Style Manifolds

2 Valve Manifolds – Standard

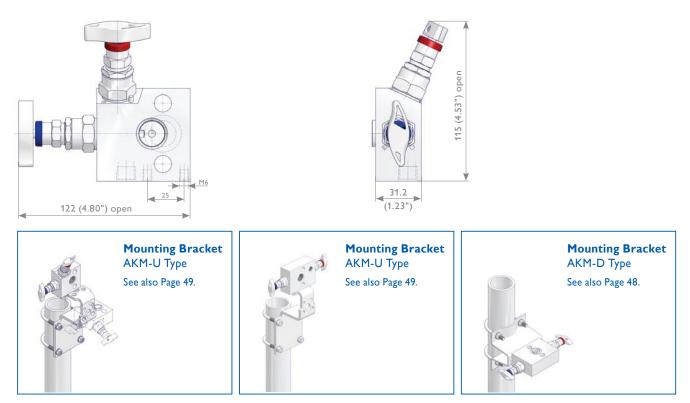
W2AA Type



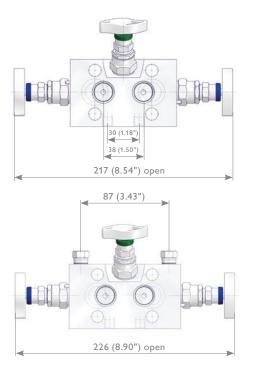


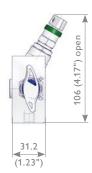


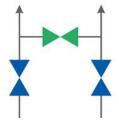
2 Valve Manifolds – L-Shaped Bonnet Orientation W2LA Type

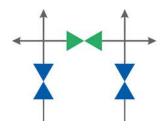


3 Valve Manifolds – Standard (Female x Flanged) Without Vent Connection W3AA Type With Vent Connection W3BA Type

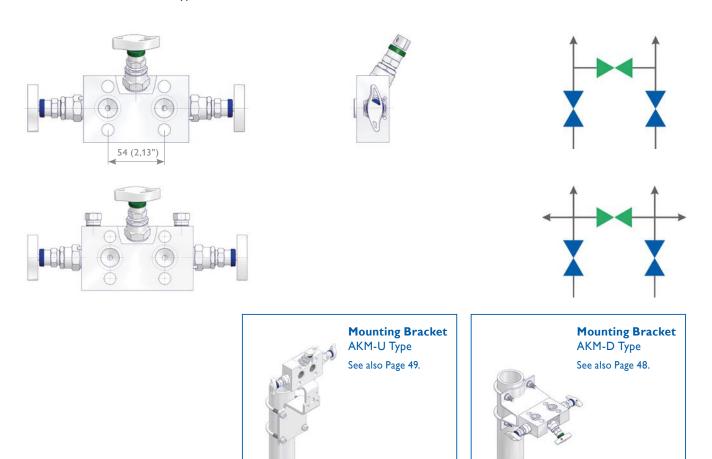




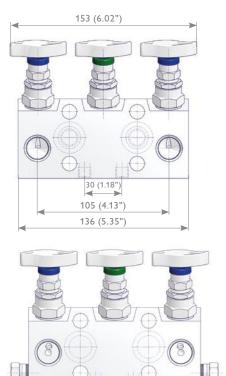




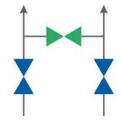
3 Valve Manifolds – Standard (Flanged x Flanged) Without Vent Connection W3AB Type With Vent Connection W3BB Type

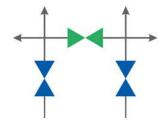


3 Valve Manifolds – Compact Design (Female x Flanged) Without Vent Connection W3CA Type With Vent Connection 1/4 NPT Female W3DA Type

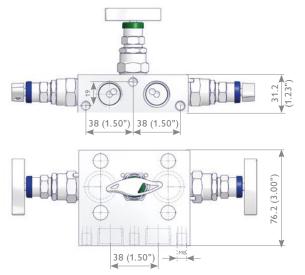








3 Valve Manifolds – Bottom Inlet Design (Female x Flanged) W3EA Type



For Bottom Inlet Design only





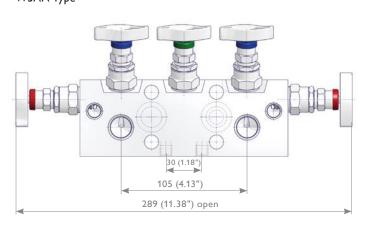
Mounting Bracket AKM-U Type See also Page 49.

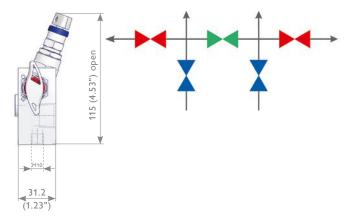
For Compact Design



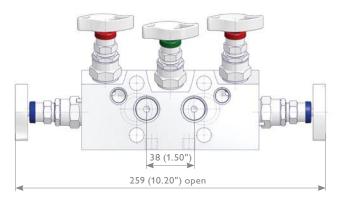
30 Direct Mount Manifolds - Wafer Style

5 Valve Manifolds – Standard (Female x Flanged IEC 61518-A) W5AA Type



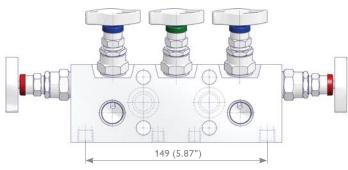


5 Valve Manifolds – Female x Flanged IEC 61518-B W5AA Type



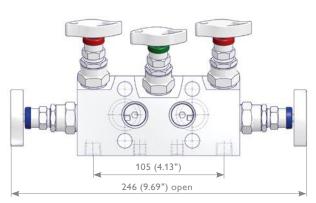
5 Valve Manifolds – Female x Flanged Vent Ports on Bottom Face

W5GA Type

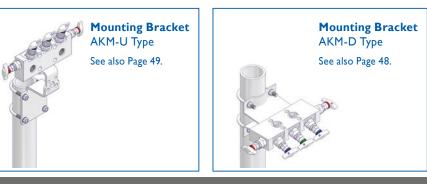


Illustrated type with IEC 61518-A connection*

* Other dimensions same as W5AA Type

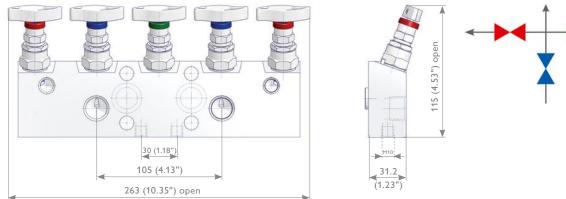


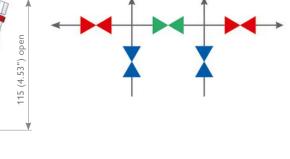
Illustrated type with IEC 61518-B connection* Only suitable for AKM-U type Mounting Bracket



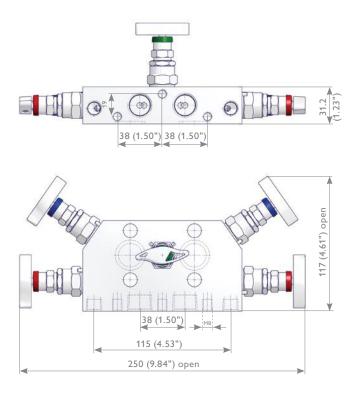
31.2 (1.23")

5 Valve Manifolds - Compact Design (Female x Flanged) W5CA Type





5 Valve Manifolds - Bottom Inlet Design (Female x Flanged) W5EA Type



For Bottom Inlet Design only



For Compact Design



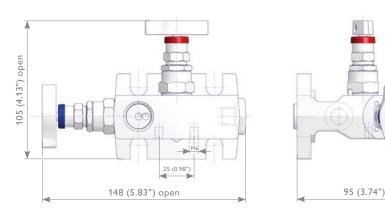
Ordering Information

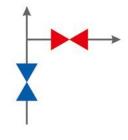
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
					W	2	A	A	S	В	-	Ν	4	Т	E		A	Ρ	S	
v	Wafer Style Manifolds																			
•																				
	Quantity Bonnets - 2-5																			
•	Manifold Specifics	11 54		. M	·															
A B C D E G L	Standard – 2 Valve / 5 Valve Manife Vent Ports 1/4 NPT Female Plugg Compact Design – 5 Valve Manifo Compact Design – 3 Valve Manif Bottom Inlet Design Vent Ports on Bottom Face of th L-Shaped Bonnet Orientation	ed – For Id with \ old witl	- 3 Valve Manifolds only ^{*2} /ent Ports 1/4 NPT Female, 3 Valv h Vent Port 1/4 NPT Female																	
	Inlet																			
A B C	Female Flanged 1/2 NPT with Tube Fittings																			
D	G 1/2 with Tube Fittings																			
5	Material		Durley LINC 624062	D	(h4 ·		1254													
S M H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276	F D V	Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625	B T		JNS S31 um Grae														
	Bonnet																			
A B D E	PTFE K O-Ring FKM (FPM by ISO) Graphite V Carbon filled PTFE – TA-Luft ISO FE Series Type 1 2 Bellows sealed PN 100 ISO FE Series Type 3 4 Bellows sealed PN 250																			
-	ISO FE Series Type 3		Bellows sealed PN 250																	
	Thread Type		FittingType			Flange	e Interf	ace												
N H	NPT BSP Parallel (G) – DIN 3852	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting		т	Flange	Interface	2												
2	Thread Size		Tube Fitting Sizes		4	-	e Interf	ace out 1/4	IDT											
2 4	1/2	4 5 9	12 resp. 12S 14 resp. 14S 1/2"		7	EIN OIS	o with	OUL 1/4												
	Outlet	,	1/2																	
D	Transmitter Interface DIN EN 61518-A																			
ΤE	DIN EN 61518-B																			
	Options - Specify in alphabet																			
B F	Cleaned and Lubricated for Oxyg PCTFE Soft Tip	en Serv	ice – For PTFE Packing only																	
G	POM Soft Tip																			
S A	Stellite Valve Tip Vent Ports Plugged ^{*2}																			
Р	Power Piping ASME B31.1 – For C																			
K M	Arctic Operations (-55°C (-67°F)) Wetted Parts with 3.1 certificate) – For I	PTFE Packing only																	
	Operation Options																			
J	Stainless Steel Handwheel with	Lockin	g Plate Design																	
Т	Anti-Tamper Bonnet (Key to be o																			
Q																				
L V	Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design																			
1	Standard Accessory Kits for I Hex Cap Screw 7/16-20 UNF, B		-		ng to I	DIN EN	61518	/ IEC 6	1518*4											
2 3 4	Hex Cap Screw 7/16-20 UNF, B Hex Cap Screw 7/16-20 UNF, B Hex Cap Screw 7/16-20 UNF, B	olt Len	gth 1 3/4", C.S., Graphite Seal F	Rings								-								
	Mounting Bracket Kits									1.42										
7 8 9	CST Mounting Bracket AKM-D Ty SST Mounting Bracket AKM-B, SST Mounting Bracket AKM-U	or -D 1	Type for 2" Pipe Mounting suppl	ied sep	parately	- For ۱	Vertical	Impulse	Piping	Installa			1							
	evant Bracket Type see Pages 28-32																			
			ise it is already included.																	

Direct Mount Manifolds - Traditional Style

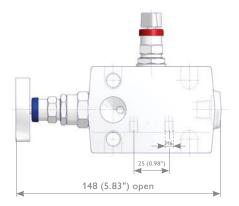
Traditional Style Manifolds

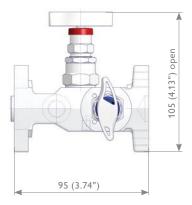
2 Valve Manifolds – Female x Flanged T2A Type





2 Valve Manifolds – Flanged x Flanged H2A Type



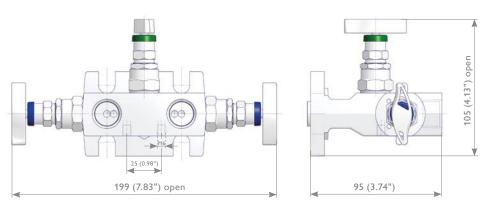


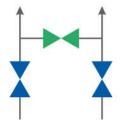


Direct Mount Manifolds - Traditional Style

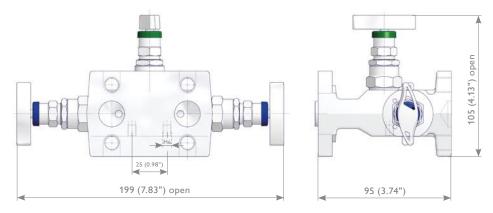
3 Valve Manifolds - Without Vent Connection

T3A Type – Female x Flanged

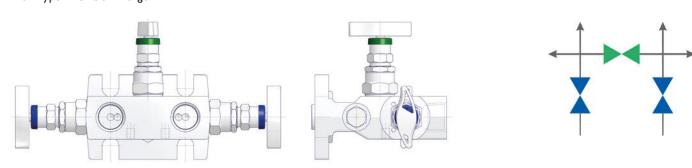




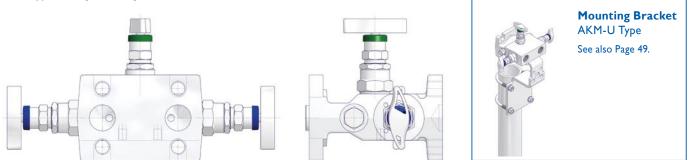
H3A Type – Flanged x Flanged



3 Valve Manifolds – With Vent Connection T3B Type – Female x Flanged

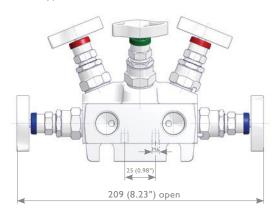


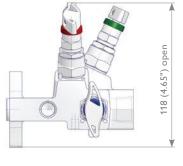
H3B Type – Flanged x Flanged



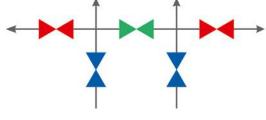
Direct Mount Manifolds - Traditional Style

5 Valve Manifolds – Female x Flanged T5A Type

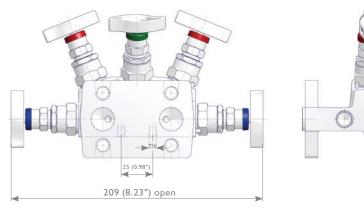




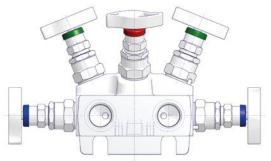
118 (4.65") open

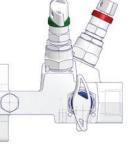


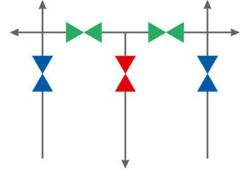
5 Valve Manifolds – Flanged x Flanged H5A Type



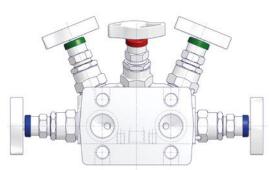
5 Valve Manifolds with Natural Gas Metering Pattern T5N Type

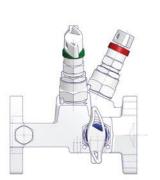






H5N Туре







Mounting Bracket AKM-U Type See also Page 49.

Direct Mount Manifolds - Traditional Style

Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
					Н	3	В	В	S	А	-	Ν	4	Т	Е	-	В	R		
H	H-Style Manifolds																			
т	T-Style Manifolds																			
	Quantity Bonnets - 2-5																			
	Manifold Specifics																			
A		ifold wit	th Vent Ports 1/4 NPT Female, 3	Valve N	1anifold v	vithout Ve	ent Port													
B N	Vent Ports 1/4 NPT Female P Natural Gas Metering Patte		,																	
	Inlet																			
А	Female – For T-Style Manifold																			
B	Flanged – For H-Style Manifol		I. Martfalde auto																	
С	1/2 NPT with Tube Fittings – I	or I-St	re manifolds only																	
	Material																			
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В		UNS S3														
M H	Alloy 400 UNS N04400 Alloy C-276 UNS N10276	D V	Super Duplex UNS S32750 Alloy 625 UNS N06625	Т	Tita	nium Gra	ide 2													
	Bonnet																			
A	PTFE	K	O-Ring FKM (FPM by ISO)																	
B D	Graphite ISO FE Series Type 1	W 2	Carbon filled PTFE – TA-Luft Bellows sealed PN 100	E																
E	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Type		FittingType			Fland	e Interf	ace												
N	NPT	С	Single Ferrule Tube Fitting		т	_	Interfac													
		К	Twin Ferrule Tube Fitting																	
	Thread Size		Tube Fitting Sizes				e Interf	face												
4	1/2	4 5	12 resp. 12S		4	EN 61	518													
		9	14 resp. 14S 1/2"																	
	Outlet																			
	Transmitter Interface																			
TD TE	DIN EN 61518-A DIN EN 61518-B																			
			order (digits first, then let																	
B F	PCTFE Soft Tip	xygen S	Service – For PTFE Packing on	ly																
G	POM Soft Tip																			
S	Stellite Valve Tip																			
A	Vent Ports Plugged*2		hito Packin- anti-																	
Р К	Power Piping ASME B31.1 – F Arctic Operations (-55°C (-67																			
M	Wetted Parts with 3.1 certific		0 1																	
	Operation Options																			
	Stainless Steel Handwheel w																			
	Anti-Tamper Bonnet (Key to I Anti-Tamper Bonnet (1 Key so		,																	
т		-ppiled																		
T R	AT-Key Lock Bonnet Design	net / AT-	Key Lock Bonnet Design																	
T R Q																				
T R Q U	AT-Key Lock Bonnet Design							1518 / 1	C 615	18										
J T R Q U W	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon Stainless Steel Handwheel Standard Accessory Kits for	or Man	ifold to Transmitter moun	-		-	N EN 61													
T R Q U W	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon Stainless Steel Handwheel Standard Accessory Kits f Hex Cap Screw 7/16-20 UN	o r Man F, Bolt	Length 1" and Washer in C.S	5., PTF	E Seal R	ings	N EN 61													
T R Q U W 1 2	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon Stainless Steel Handwheel Standard Accessory Kits f Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN	o r Man F, Bolt F, Bolt	Length 1" and Washer in C.S Length 1" and Washer in S.S.	5., PTF ., PTF	E Seal R E Seal Ri	ings ngs*3	N EN 61													
T R Q U W	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon Stainless Steel Handwheel Standard Accessory Kits f Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN	o r Man F, Bolt F, Bolt F, Bolt	Length 1" and Washer in C.S	5., PTF ., PTF 5., Gra	E Seal R E Seal Ri phite Se	ings ngs* ³ al Rings														
T R Q U W 1 2 3	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon Stainless Steel Handwheel Standard Accessory Kits f Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN	o r Man F, Bolt F, Bolt F, Bolt	Length 1" and Washer in C.S Length 1" and Washer in S.S. Length 1" and Washer in C.S	5., PTF ., PTF 5., Gra	E Seal R E Seal Ri phite Se	ings ngs* ³ al Rings														

*³ Bolt Material S.S. = 316 Stainless Steel I ASTM A193 B8M Class 2

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

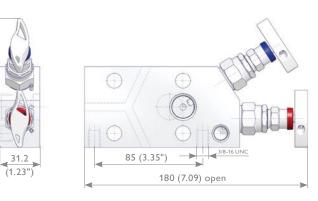
Direct Mount Manifolds - Integral Style

Integral Manifolds for Rosemount 2051/3051 Coplanar[™] Pressure Transmitters

Coplanar[™] Style Manifolds

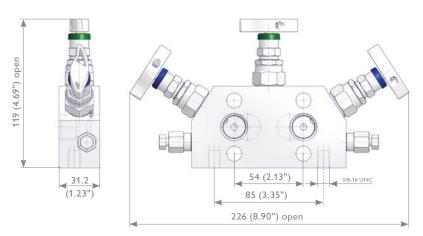
2 Valve Integral Manifolds W2RA Type

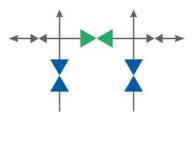
115 (4.53") open



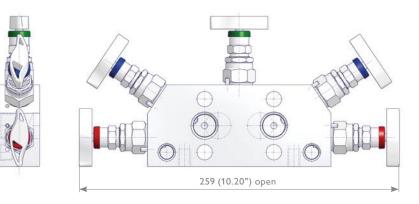
3 Valve Integral Manifolds W3RA Type

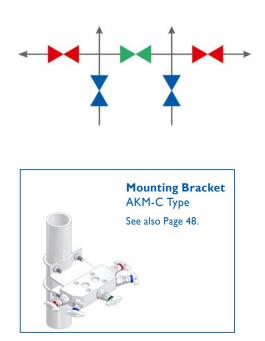
Supplied as standard with vent valves - fitted





5 Valve Integral Manifolds W5RA Type





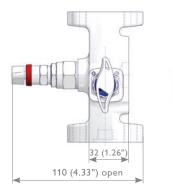
Direct Mount Manifolds - Integral Style

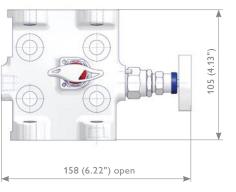
Traditional Style Integral Manifolds

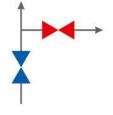
Inlet with Flange Interface DIN EN 61518 / IEC 61518 and 1/4 NPT female only.

2 Valve Integral Manifolds

Н2ТВ Туре

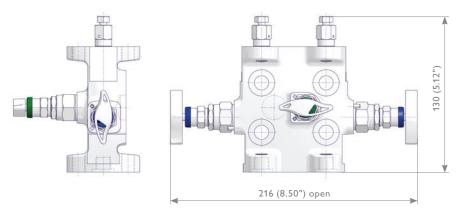


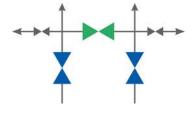




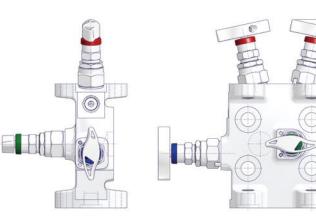
3 Valve Integral Manifolds H3TB Type

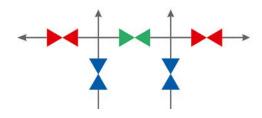
Supplied as standard with vent valves - fitted





5 Valve Integral Manifolds H5TB Type





163 (6.42") open



Direct Mount Manifolds - Integral Style

Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					W	3	R	А	S	А	-	Ν	4	Т	F	-	Μ	S	Т	
W	Coplanar [™] Style Manifold																			
н	Traditional Style Integral	Manif	olds																	
	Quantity Bonnets - 2-5																			
	Manifold Specifics																			
R T	Integral Manifold – Coplanar [™] Integral Manifold – Traditional																			
	Inlet																			
A B C	Female Flanged – For Traditional Style 1/2 NPT with Tube Fitting	e Integr	al Manifolds only																	
	Material																			
S M H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276	F D V	Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625	B T		UNS S3 ium Gra														
	Bonnet		/																	
A	PTFE	К	O-Ring FKM (FPM by ISO)																	
B D	Graphite	W 2	Carbon filled PTFE - TA-Luft Bellows sealed PN 100																	
E	ISO FE Series Type 1 ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Type		Fitting Type			ge Inte														
Ν	NPT	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	Т	Flang	e Interfa	ace													
	Thread Size		Tube Fitting Sizes			ge Inte														
4	1/2	4 9	12 resp. 12S 1/2"	3	EN 6	1518 wit	th 1/4 NF	PT Femal	e – For T	raditiona	l Style Inte	egral Ma	nifolds							
	Outlet																			
TF	Transmitter Interface Rosemount 2051/3051 Copla	anar™ F	Pressure Transmitter																	
			l order (digits first, then let	ters)																
В			Service – For PTFE Packing on																	
F	PCTFE Soft Tip																			
G S	POM Soft Tip Stellite Valve Tip																			
А	Vent Ports Plugged																			
P K	Power Piping ASME B31.1 – F Arctic Operations (-55°C (-6																			
М	Wetted Parts with 3.1 certifie																			
	Operation Options	. dal 1	dia Dia Dia 1																	
J T	Stainless Steel Handwheel v Anti-Tamper Bonnet (Key to																			
R	Anti-Tamper Bonnet (1 Key s																			
Q U	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon	net / A	F.Key Lock Bonnet Design																	
w	Stainless Steel Handwheel		Locie Donnee Design																	
	Mounting Bracket Kits																			
7 8	-		pe for 2" Pipe Mounting supp be for 2" Pipe Mounting suppli																	
9			for 2" Pipe Mounting supplied s																	

* Relevant Bracket Type see Pages 38-39.

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

5 Valve Manifolds with Natural Gas Metering Pattern

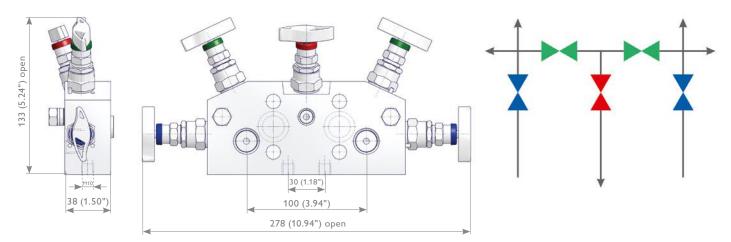
5 Valve Manifolds with Natural Gas Metering Pattern

AS-Schneider is manufacturing various 5 Valve Manifold Designs with Natural Gas Metering Pattern for direct mounting to Differential Pressure Transmitters – either Transmitters with standard flange connection in accordance with IEC 61518 or alternatively to Rosemount 2051/3051 Coplanar[™] Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and other options see Page 42 – Ordering Information 5 Valve Manifolds with Natural Gas Metering Pattern. The standard test connection is 1/4 NPT female plugged. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

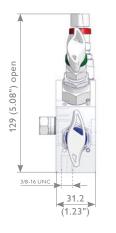
5 Valve Manifolds -Instrument Connection acc. to. IEC 61518

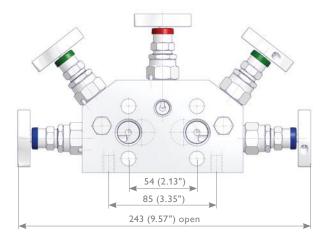
5AAF Type



5 Valve Integral Manifolds -

Instrument Connection for Rosemount 2051/3051 Coplanar[™] Pressure Transmitter 5DAF Type





Manifold Type D (For Rosemount Coplanar[™] Transmitter)



Manifold Type A (DIN EN 61518 / IEC 61518)



Ordering Information

					4	2	2		r	,	7	0	0	40	44	40	42		45	47
					1	2 A	3 A	4 T	5	6 K	-	8 C	9	10 A	11 D	12	13 A	14 F	15 M	16
									0			0					,,			
5	5 Valve Manifolds with Na	tural	Gas Metering Pattern																	
	Manifold Type																			
А		st Con	nection 1/4 NPT - Vent Port 1/4		Inlet 1/	2 NPT														
D		051 Coj	planar [™] Pressure Transmitter – 1																	
	Vent Connection																			
A C	1/4 NPT Female 1/4 NPT with Twin Ferrule Tube Fitting 12 mm	E	1/4 NPT with Single Ferrule T	ube Fi	tting 12	S														
	Inlet																			
F T	Female Tubo Fining																			
1	Tube Fitting																			
	Material	-																		
S M	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400	F	Duplex UNS S31803 Super Duplex UNS S32750	B		0 UNS S3 nium Gr														
н	Alloy C-276 UNS N10276	۷	Alloy 625 UNS N06625																	
	Bonnet																			
A	PTFE	К	O-Ring FKM (FPM by ISO)																	
B D	Graphite ISO FE Series Type 1	W 2	Carbon filled PTFE – TA-Luft Bellows sealed PN 100																	
E	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Size		Fitting Type		Tub	e Fittin	g Sizes													
N4	NPT	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	4	12 r	esp. 12S														
	Test Connection																			
А	1/4 NPT Female plugged																			
	Outlet																			
	Transmitter Interface																			
D F	DIN EN 61518-A Rosemount 2051/3051 Copia	anar™∣	Pressure Transmitter																	
			al order (digits first, then let	ters)																
В			Service –For PTFE Packing only																	
F	PCTFE Soft Tip	,0	0	•																
G S	POM Soft Tip Stellite Valve Tip																			
A	Vent Ports Plugged																			
P K	Power Piping ASME B31.1 – F Arctic Operations (-55°C (-6																			
M	Wetted Parts with 3.1 certifi																			
	Operation Options																			
J T	Stainless Steel Handwheel v Anti-Tamper Bonnet (Key to																			
R	Anti-Tamper Bonnet (1 Key s																			
Q	AT-Key Lock Bonnet Design		TK I																	
U W	Padlock for Anti-Tamper Bon Stainless Steel Handwheel	net / A	I-Ney Lock Bonnet Design																	
			Fransmitter mounting acco		to DIN	I EN 61	518 - F	or 5AT	ype onl	y (not i	for 5DT	ype)								
1			Length 2", C.S., PTFE Seal Rings																	
2 3			Length 2", S.S., PTFE Seal Rings [:] Length 2", C.S., Graphite Seal R																	
4			Length 2", S.S., Graphite Seal Ri	-																
7	Mounting Bracket Kits	4.0			المعا م		Ent	(a		Di= i										
7 8	-		 D Type for 2" Pipe Mountin; D Type for 2" Pipe Mounting su 									5/15								
Bolt I	Material S.S. = 316 Stainless Ste	el I AS	TM A193 B8M Class 2																	

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Enclosure Manifolds EDM Series

Enclosure Manifolds EDM Series (2, 3 and 5 Valve Manifolds)

AS-Schneider Enclosure Manifolds EDM Series are manufactured for applications that require the transmitter to be mounted in an enclosure for environmental protection. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and other options see page 45– Ordering Information Enclosure Manifolds.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

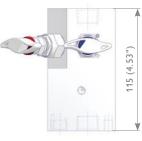
2 Valve Manifolds

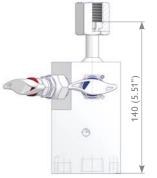
Transmitter Connection

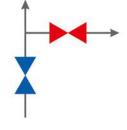
Acc. to DIN EN 61518 E2AA Type



1/2 NPT Female E2AC Type Swivel Nut E2AE Type







3 Valve Manifolds – Female x Flanged E3AA Type

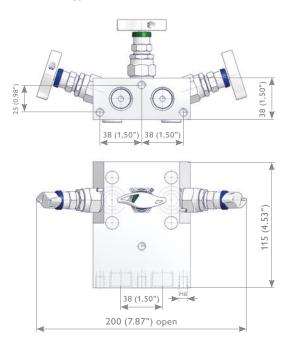
0

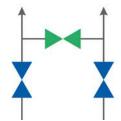
M8

119 (4.69") open

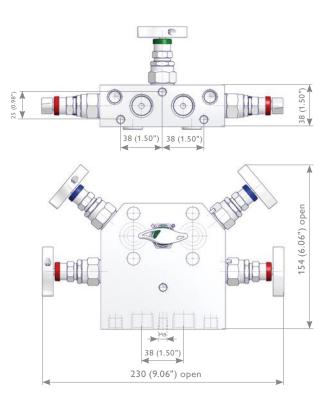
www.as-schneider.com

114 (4.49")

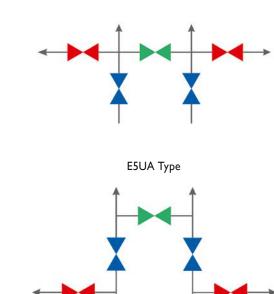




Enclosure Manifolds EDM Series



5 Valve Manifolds - Female x Flanged

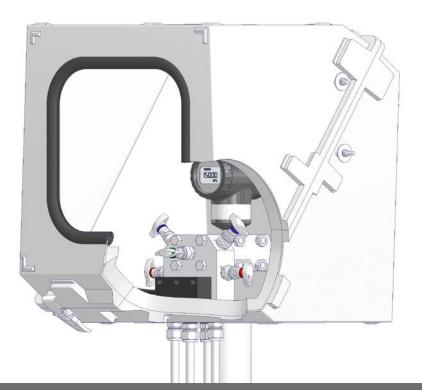


- Standard Flow Schematic \rightarrow E5AA Type - Upstream Vent Schematic \rightarrow E5UA Type

Enclosure Systems

AS-Schneider Enclosure Systems have been developed to provide a weatherproof barrier for every type of installation. Modern process measurement instrumentation needs protection not only from the effects of sun, rain, frost, aggressive atmosphere or dirt but also from accidental damage or unauthorized access.

The Enclosure Manifolds allow direct mounting to a baseplate or a back plate of the enclosures. A lot of accessories such as electrical heating systems, thermostats, junction boxes, grommets and pipestands are available. Designed and fitted out to customer's specifications AS-Schneider is supplying the complete solution - enclosure, manifolds and all accessories needed – for an easy on-site installation. For more details please contact the factory.



Manifold Mounting Options



Enclosure Manifolds EDM Series

Ordering Information

1								-												
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Quantity Bonnet - 25 Handold Specifics A Standar - X Mark / X Wate Muntils with Wate Kruts (M PF Fanala, X Wate Muntils dividual Wate Krut V Wet 14 44 The With Each farging 2 monochrome Standard Wate Krut V Wet 14 44 The With Each farging 2 monochrome Standard Wate Kruts B U Systeman Muntils price State Bandold cally) D U Systeman Muntils Antional Mither Kruts y Kruts Mark The Kruts y Fanala State Mither B U Systeman Muntils Mither Kruts y Kruts Mark The Kruts y Fanala State Mither B U Systeman Muntils Mither Kruts y Kruts Mark The Kruts y Fanala State Mither B U Systeman Muntils Mither Kruts y Kruts Mark The Kruts y Fanala State Mither B U System State Tange State Mither Kruts y Kruts Mark The Kruts y Kruts Water Kruts Y Kruts Mark The Kruts y Kruts Water Kruts Y Kruts Mark The Kruts y Kruts Water Kruts Y Kruts Y Kruts Y Kruts Water Kruts Y Kruts																				
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M4 M20x1.5 Swivel Nut TF Rosemount 2051/3051 Coplanar™ Pressure Transmitter Options - Specify in alphab=tetal order (digits first, then letters) Options - Specify in alpha al	N4		TD	DIN EN 61518-A																
Options - Specify in alphabetical order (digits first, the letters) B Cleaned and Lubricated for Oxygen Service – For PTFE Packing only P PCTEE Soft Tip G POM Soft Tip S Stellite Valve Tip A Vent Ports Plugged P Porter Plping ASNE B31.1 – For Graphite Packing only K Arctic Operations (-55°C (-67°F)) – For PTFE Packing only Wetted Parts with 3.1 certificate Operation Options J Stainless Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (Ary supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design V Stainless Steel Handwheel Stainless Steel Handwheel Stainless Steel Handwheel Hex Cap Screw 7/16-20 UNF, Boit Length 2°, C.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Boit Length 2°, C.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Boit Length 2°, C.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Boit Length 2°, C.S., Graphite Seal Rings																				
letters) B Cleaned and Lubricated for Oxygen Service – For PTFE Packing only F PCTFE Soft Tip G POM Soft Tip S Stellite Valve Tip A Vent Ports Plugged P Power Piping ASME B31.1 – For Graphite Packing only K Arctic Operations (55°C (-67°F)) – For PTFE Packing only W Wetted Parts with 3.1 certificate Operation Options J Stainless Steel Handwheel with Locking Plate Design T Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (Key to Locking number of the period separately) V Stainless Steel Handwheel U Padlock for Anti-Tamper Bonnet /AT-Key Lock Bonnet Design V Stainless Steel Handwheel W Stainless Steel Handwheel W Stainless Steel Handwheel Hex Cap Screw 7/16-20 UNF, Bolt Length 2°, C.S., PTFE Seal Rings 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2°, S.S., PTFE Seal Rings 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2°, C.S., Graphite Seal Rings	M4				r™ Pressure	Transmitte	er													
F PCTFE Soft Tip G POM Soft Tip S Stellite Valve Tip A Vent Ports Plugged P Power Piping ASME B31.1 – For Graphite Packing only K Arctic Operations (-55°C (-67°F)) – For PTFE Packing only W Wetted Parts with 3.1 certificate Operation Options			oetical	order (digits first, then																
G POM Soft Tip S Stellite Valve Tip A Vent Ports Plugged P Power Pinig ASME B31.1 - For Graphite Packing only K Arctic Operations (-55°C (-67°F)) - For PTFE Packing only W Wetted Parts with 3.1 certificate Operation Options Operation Since Handwheel with Locking Plate Design T Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Stainless Steel Handwheel W Stainless Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 / IEC 61518 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings*			xygen S	Service – For PTFE Packing only																
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K Arctic Operations (-55°C (-67°F)) – For PTFE Packing only W Wetted Parts with 3.1 certificate Operation Options J Stainless Steel Handwheel with Locking Plate Design T Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (I Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Stainless Steel Handwheel Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings* 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings* 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings 4			- C	hite Dealing and																
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R Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design VV Stainless Steel Handwheel Standard Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 / IEC 61518 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings																				
U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design VV Stainless Steel Handwheel Standard Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 / IEC 61518 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings																				
W Stainless Steel Handwheel Standard Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 / IEC 61518 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings		, °																		
Standard Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 / IEC 61518 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings			et / AT-	Key Lock Bonnet Design																
 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings 			or Man	ifold to Transmitter mounti	ng accordi	ing to DI	N EN 6	1518/1	EC 615	18										
3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings		Hex Cap Screw 7/16-20 UNF,	Bolt Le	ength 2", C.S., PTFE Seal Rings																
					s															
* Bolt Material S.S. = 316 Stainless Steel I ASTM A193 B8M Class 2	* Bolt I	Material S.S. = 316 Stainless Stee	IAST	M A193 B8M Class 2																

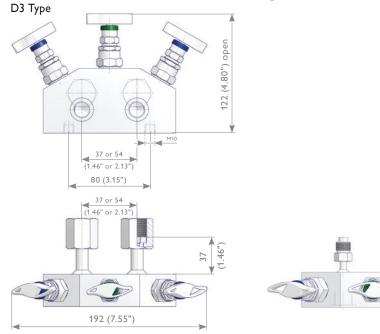
Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

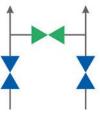
Differential Pressure Gauge Manifolds

AS-Schneider Manifolds for Differential Pressure Gauges are available with a center to center distance of 37 mm or 54 mm as standard. The instrument connections are supplied with a Swivel Nut or a Swivel Male Connection. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and other options see Page 47 – Ordering Information Differential Pressure Gauge Manifolds. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

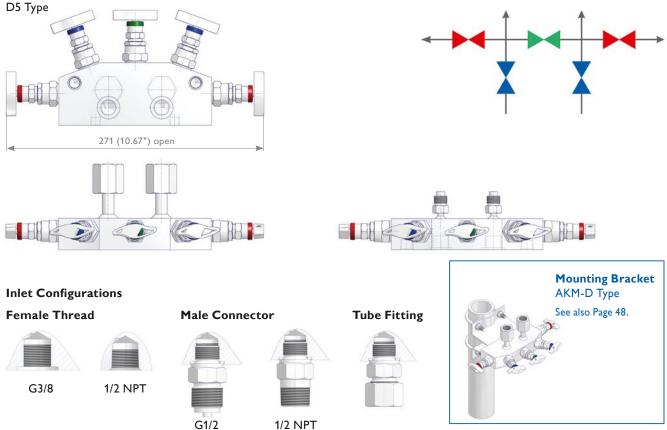
The dimensions shown apply only to the illustrated valves (G 3/8 Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

3 Valve Manifolds for Differential Pressure Gauges





5 Valve Manifolds for Differential Pressure Gauges



3 and 5 Valve Manifolds for Differential Pressure Gauges

Ordering Information

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
				D	3	В	В	S	A	-	Н	3	G	2	-	8	М	_	-
D	Differential Pressure Gauge	e Manife	olds																
	Quantity Bonnets – 3 or 5																		
	Manifold Specifics																		
	Thread Size Inlet x Distance	from C	enter to Center for Differen	tial Pı	ressure (Gauge													
А	G 3/8 x 37 mm	С	1/2 NPT x 37 mm																
В	G 3/8 x 54 mm	D	1/2 NPT x 54 mm																
	Inlet x Outlet Configuratio	n																	
A	Female x Swivel Nut	D	Tube Fitting x Swivel Male																
В	Female x Swivel Male	Е	Male Connector x Swivel Nut	:															
С	Tube Fitting x Swivel Nut	F	Male Connector x Swivel Mal	е															
	Material																		
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В	6Mo L	JNS S31	254												
М	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	т	Titaniu	um Grad	le 2												
Н	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625																
	Bonnet																		
A	PTFE	К	O-Ring FKM (FPM by ISO)																
В	Graphite	W	Carbon filled PTFE – TA-Luft																
D	ISO FE Series Type 1	2	Bellows sealed PN 100																
E	ISO FE Series Type 3	4	Bellows sealed PN 250																
	Inlet																		
	Thread Type		Fitting Type			Fitting	Sizes												
N4	1/2 NPT	C	Single Ferrule Tube Fitting	4	12 res														
H3 G4	G 3/8 – DIN 3852 (Female only) G 1/2 – EN 837-1 (Male only)	к	Twin Ferrule Tube Fitting	5 9	14 res 1/2"	p. 145													
	Outlet																		
	Thread Type																		
G2	G 1/4 Swivel Male																		
G4	G 1/2 Swivel Nut or Swivel Ma	le																	
M4	M 20 x 1.5 Swivel Nut																		
	Options - Specify in alphabe	etical o	rder (digits first, then lette	rs)															
В	Cleaned and Lubricated for Ox	ygen Sei	rvice – For PTFE Packing only																
F	PCTFE Soft Tip																		
G S	POM Soft Tip Stellite Valve Tip																		
A	Vent Ports Plugged																		
н	10,000 psi (689 bar) for PTFE F	Packing I	7,252 psi (500 bar) for Graphi	te Pac	king														
Ρ	Power Piping ASME B31.1 – For																		
K	Arctic Operations (-55°C (-67°l		PTFE Packing only																
M	Wetted Parts with 3.1 certificat	le la																	
1	Operation Options Stainless Steel Handwheel wit	th Locki	ng Plate Design																
J T	Anti-Tamper Bonnet (Key to be																		
R	Anti-Tamper Bonnet (1 Key sup																		
Q	AT-Key Lock Bonnet Design																		
U W	Padlock for Anti-Tamper Bonne Stainless Steel Handwheel	et / AT-Ke	ey Lock Bonnet Design																
	Accessory Kits																		
7	CST Mounting Bracket AKM-D	Type for	2" Pipe Mounting supplied se	oarate	ly – For \	/ertical l	mpulse I	Piping In	stallation	ns									
			2" Pipe Mounting supplied sep																

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Accessories – Mounting Bracket Kits

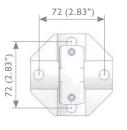
Mounting Bracket Kits for Vertical Impulse Piping Installations

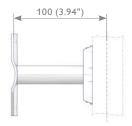
AKM-S Type

For Valves and Manifolds with 1 1/4" Square Valve Body (Type H, G, M and S)

AKM-R Type For Manifolds with 1 1/4" Flat Body (Type P and R)





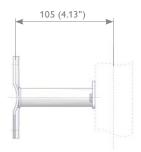


AKM-G Type For Double Block & Bleed Manifolds (Type C)



72 (2.83") 30 (1.18")

72 (2.83")



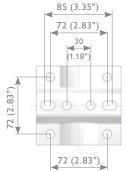
AKM-D Type and AKM-C Type For Manifolds Type D, W and 5

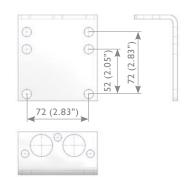
AKM-B Type For Wafer Style Manifolds with Bottom Inlet Design









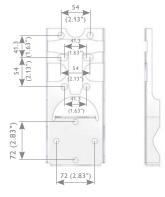


Accessories – Mounting Bracket Kits

Mounting Bracket Kits for Horizontal Impulse Piping Installations

AKM-T Type For Integral Manifolds - Traditional Style

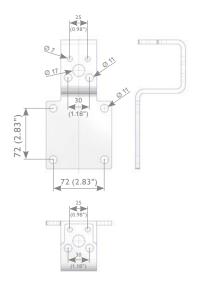




Mounting Bracket Kits for Horizontal and Vertical Impulse Piping Installations

AKM-U Type For Manifolds Type H, W and T





Ordering Information

		1	2	3	4	5	6	7	8	
		А	К	М	-	S	Р	S	-	
AKM	Mounting Bracket Kits									
	Mounting Bracket incl. screws for mounting the br (if applicable)	acket	to the	manif	fold					
S	Valves and Manifolds with 1 1/4" Square Valve Body (Type	H, G, №	1 and S)						
R	Manifolds with 1 1/4" Flat Body (Type P and R)									
G	Manifolds Type C									
D	Manifolds Type D, W and 5									
В	Wafer Style Manifolds with Bottom Inlet Design									
U	Manifolds Type H (not for Integral Manifolds for Rosemour Transmitters) Manifolds Type W (except Bottom Inlet Design) Manifolds Type T	nt 2051/	3051 C	oplanar	™ Pressu	ire				
С	Integral Manifolds - Coplanar™ Style									
Т	Integral Manifolds - Traditional Style									
	Mounting Method									
Р	2" Pipe Mounting – incl. 'U' Bolt, Nuts and Washers									
	Material									
C S	Carbon Steel zinc plated (only available Mounting Bracket 316 Stainless Steel	Kit AK	M-D a	nd AKN	1-C)					
Н	Mandatory for Manifolds Type H and U-Type Bracket (incl	. Space	-)							



Mounting Bracket Kits on Page 48 and 49 are containing:

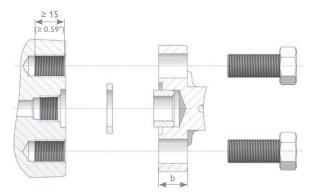
- Mounting Bracket
- 'U' Bolts*

9

- Washers 8.4*
- Hexagon Nuts M8*
- Screws and Washers for Mounting the Manifold to the Bracket - if applicable
- * Amount depending on bracket type. See illustrations.

Accessories – Manifold to Transmitter Mounting acc. to DIN EN 61518

Accessory Kits for Manifold to Transmitter Mounting according to DIN EN 61518 / IEC 61518



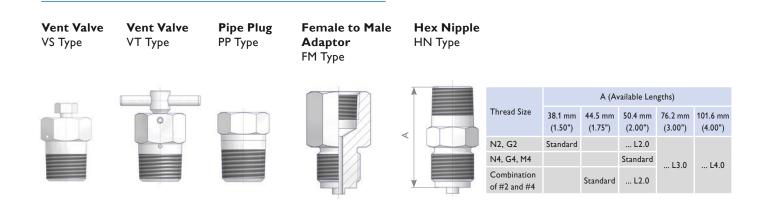
b = Depending on manifold thickness

Ordering Information

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		A	ĸ	S	-	н	U	4	C	-	P	A	F	4	4	15	
٩KS	Transmitter Mounting Kit																
	Type of Screw																
H S	Hex Cap Screw Socket Head Cap Screw																
	Thread Size																
U M W	7/16-20 UNF – For Traditional Style Manifolds (see page 34-37) please us M10 – Max. allowable (Working) Pressure (PS): 160 bar (2,320 psi) – Scr 7/16-20 UNF – Screws supplied with Washers					er											
	Number of Screws and Seal Rings																
2 4 5 8	2 Screws and 1 Seal Ring I For 2 Valve Manifolds and Oval Flanges 4 Screws and 2 Seal rings I For Differential Pressure Manifolds 4 Screws and 1 Seal Ring I For 2 Valve Manifolds Type H2A - For Gaug 4 Screws and 4 Seal Rings I For Wafer Style Manifolds together with O																
	Material*																
С	Carbon Steel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I Metric Thread: ISO 898-1 Class 8.8	Socket ⊢	lead Ca	ap Scre	w ASTM	A574 I											
S F	316 Stainless Steel I UNF Thread: ASTM A193 B8M Class 2 I Metric Thre 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW	ad: ISO 3	3506 A	4-70													
	Seal Ring																
	DIN EN 61518 Type A		DIN	EN 6	1518 Tyj	pe B											
PA	PTFE	PB	PTFE														
ga Fa	Graphite O-Ring FPM (FKM by ASTM)	GB	Grap	hite													
	Screw Length																
	UNFThread		Met	ricTh	read												
25	1"	M25															
38 44	1 1/2" 1 3/4"	M40 M45															
44 51	2"	M50															
70	2 3/4" (For Wafer Style Manifold c/w Oval Flange)																
76	3" (For Rosemount 2051/3051 Coplanar™ Pressure Transmitter)																
	Option																
	Cleaned for Oxygen Service (only for PTFE Seal Ring \rightarrow Carbon filled PT	>															

* IEC 61518 calls for the mentioned mechanical properties (for example B8 Class 2) because the flange connection is designed for high pressure service (up to 6,000 psi) and high temperature service. The usage of screws without the defined mechanical properties is critical and may lead to a sudden component failure which could cause a fatal accident!

Accessories - Pipe Plugs, Vent Valves, Adaptors



Ordering Information - Pipe Plugs and Vent Valves

Vent Valves, Pipe Plugs and Pipe Fittings



Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2

Ordering Information - Pipe Fittings

	•		0													
						1	2	3	4	5	6	7	8	9	10	11 - 16
						F	М	S	-	Μ	4	Ν	4	-	В	
FM	Female to Male Adaptor															
ΗN			cified in alphabetical resp. ascending													
	For example H	NS-G4	V4 (and not HNS-N4G4) resp. HNS	s-G2G	4 (and not G4G2).											
	Material															
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В	6Mo UNS \$31254											
М	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	т	Titanium Grade 2											
Н	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625													
	Inlet - FM Type Female Thre	ead														
	Thread Type		Inch Size		Metric Size											
Ν	NPT	2	1/4	4	M 20 × 1.5											
G	BSP Parallel (G) – EN 837-1	4	1/2													
М	Metric similar to EN 837-1															
	Outlet															
	Thread Type		Inch Size		Metric Size											
Ν	NPT	2	1/4	4	M 20 × 1.5											
G	BSP Parallel (G) – EN 837-1	4	1/2													
М	Metric similar to EN 837-1															
	Options - Specify in alphabe	etical o	order (digits first, then letters)													
В	Cleaned for Oxygen Service															

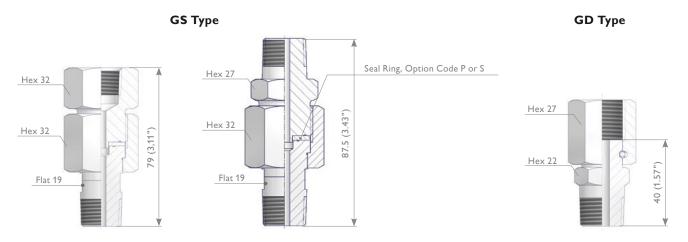
L#.0 $\# \rightarrow$ Available Lengths see table above – For Hex Nipples only

Part according to a.m. material list is supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.

Accessories – Swivel Gauge Adaptors

Swivel Gauge Adaptors

The Swivel Gauge Adaptors enable the easy positioning of the pressure instrument in any direction through 360°. The dimensions shown apply only to the illustrated components – if you need the dimensions for your individual type please contact the factory.



Ordering Information - Swivel Gauge Adaptors

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				G	S	-	М	M	S	Р	-	N	4	Ν	4	-	В		-
GS* GD	Swivel Gauge Adaptors – Scre Swivel Gauge Adaptors – Wire																		
	Inlet																		
М	Male	F	Female																
	Outlet																		
M F	Male Female	S	Swivel Nut (GD Type – G 1/2, Op	tion C	ode G4 o	nly)													
	Material																		
S M H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276	F D V	Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625	B T		JNS S312 um Grad			-										
	Seal Ring																		
P S A	PTFE (GS Type only) Same Material as threaded compo No Seal Ring required (GD Type o		GS Type only)																
	Inlet																		
	Thread Type		Thread Size																
N G H	NPT BSP Parallel (G) – EN 837-1 BSP Parallel (G) – DIN 3852 (GD Type only)	2 4	1/4 1/2																
	Outlet																		
	Thread Type		Thread Size																
N G	NPT BSP Parallel (G) – EN 837-1	2 4	1/4 1/2																
	Options - Specify in alphabetic	al ord	ler (digits first, then letters)																
B M	Cleaned for Oxygen Service Wetted Parts with 3.1 certificate																		

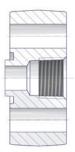
* GS Type only: NPT Threaded Options as standard.

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.

Accessories – Oval Flanges, Anti-Tamper Key

Oval Flanges KF Type

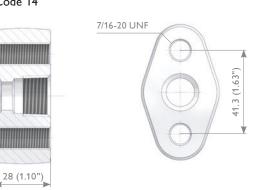
Transmitter Interface EN 61518-A Code TD





Transmitter Interface EN 61518

Code T4



Ordering Information - Oval Flange (Kidney Flange, Futbol)

						1	2	3	4	5	6	7	8	9	10	11	12
						к	F	F	S	-	Ν	4	т	D	-	1	
KF	Over 1 Flow ere																
KF	Oval Flange																
	Inlet																
F	Female																
	Material																
					1												
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	B	6Mo UNS \$31254												
M	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	Т	Titanium Grade 2												
н	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625														
	Material Option S as forging, a	ll other	materials made from flat bar														
	Inlet																
	Thread Type		Thread Size														
Ν	NPT	3	3/8														
Н	BSP Parallel (G) – DIN 3852	4	1/2 (NPT Thread only)														
	Outlet (Flange Connection	n)															
TD	Transmitter Interface DIN EN	61518-	A														
Τ4	Transmitter Interface DIN EN	61518															
	Options - Specify in alphab	oetical	order (digits first, then letter	rs)													
В	Cleaned for Oxygen Service (i	if order	ed with Transmitter Mounting Kit	t – On	ly with PTFE Seal Ring avai	lable)											
	Accessory Kits for Oval Fla	ange te	o Manifold/Transmitter mou	nting	according to												
			for Outlet Option TD and TE														
1	2 Hex Cap Screws 7/16-20 UN	NF, Cart	oon Steel ASTM A449 - Type 1, 1	PTFE	Seal Ring												
2			less Steel ASTM A193 B8M CI.2,		•												
3			oon Steel ASTM A449 - Type 1, 1		•												
4	2 Hex Cap Screws 7/16-20 UN	NF, Stair	less Steel ASTM A193 B8M CI.2,	1 Gra	phite Seal Ring												

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.

Anti-Tamper Key ATK Type

ATK-ES Type



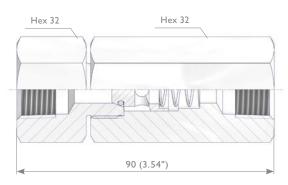
Check Valves

Check Valves CV Type

AS-Schneider Check Valves (Non-Return Valves) are designed for a cold (Working) Pressure rating of 10,000 psi (689 bar). The Check Valve allows flow in one direction only, closing when flow reverses. Should you still not find your option please contact the factory.

Features

- Soft Seated O-Rings use-d are RGD (Rapid Gas Decompression) resistant
- Cracking Pressure: < 11 psi (0.75 bar)
- Re-Seal Pressure: < 20 psi (1.38 bar)
- Temperature Rating: -50°C up to +200°C (-58°F up to +392°F), depending on seal materials used
- 100% Pressure Tested hydrostatically at 1.5 times the max. allowable (Working) Pressure (PS)
- Cv-Value: 0.3



Flow



Ordering Information - Check Valves

					1	2	3	4	5	6	7	8	9	10	11	12	13	14
					С	٧	F	F	S	К	-	Ν	4	Ν	4	-	Μ	
CV	Check Valve																	
	Inlet																	
М	Male	F	Female															
	Outlet																	
F	Female																	
	Material																	
S M H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276	F D V	Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625	B T		UNS S3 ium Gr												
	Seal Ring																	
K N P	FKM – Fluorocarbon Rubber HNBR – Hydrogenated Nitrile Butae FFKM – Perfluorinated Rubber	liene F	Rubber															
	Inlet																	
N2 N4	1/4 NPT 1/2 NPT																	
	Outlet																	
N2 N4	1/4 NPT 1/2 NPT																	
	Options - Specify in alphabetica	l orde	er (digits first, then letters)															
М	Wetted Parts with 3.1 certificate																	

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Check Valves which are not actuated for a period of time may initially crack at a higher pressure than above stated.

Complementary Products

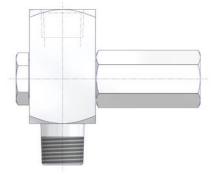
Complementary Products

In this catalogue the following products are not described in detail because they are covered in catalogue AS-0201:

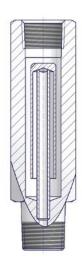
Gauge Protectors

Gauge Snubbers

Compact Syphons

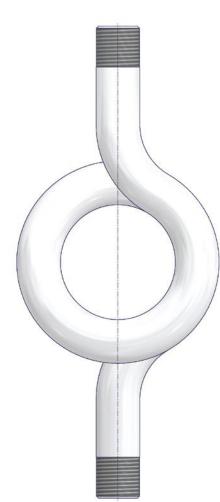


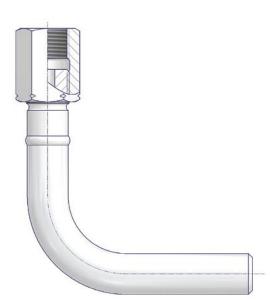




Coil Type Syphons / Pigtail Syphons

Elbows







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