AGW

Welded thermowell with flanged process connection

Main Features

- Stainless steel
- Max. 500 °C
- Max. 1000 mm

Applications

- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Machinery

Technical data

Max. immersion length (Pg)	1000 mm
Max. Temperature: (1)	500 °C
Max. Pressure: (1)	according to thermowell dimensions
Material:	Stainless steel 1.4404 (316L)

(1) Admissible values in service depend on:
- process fluid
- service temperatures and pressures
- flow
- thermowell type and dimensions

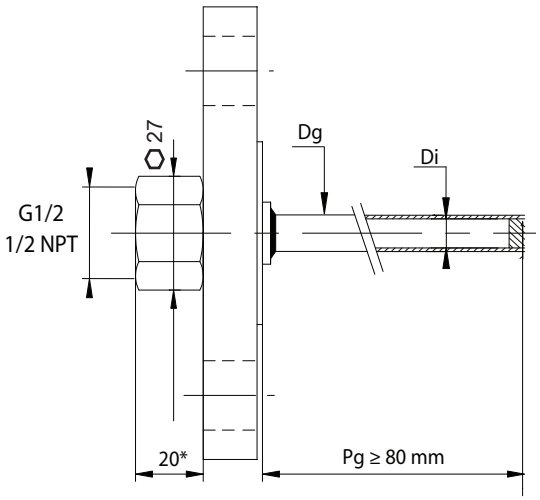
Options

Sweating of weldings

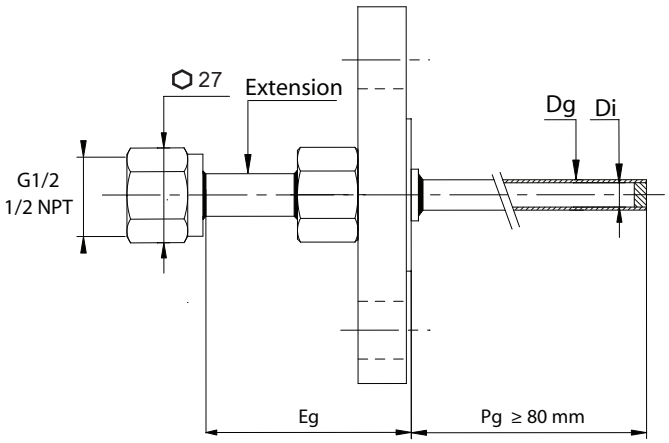
Internal hydraulic test

External hydraulic test

Dimensions (mm) - Types of mounting

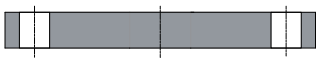
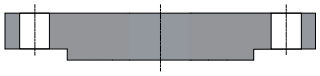
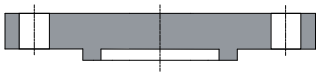
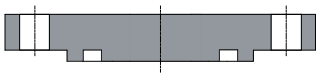
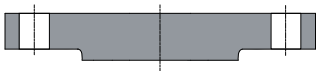
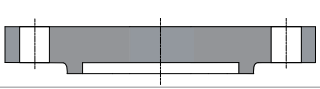
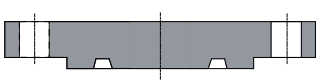


Without extension



With extension (Eg)

Ordering codes for flange faces

Face Type	Drawing	ANSI B16-5	Codes	EN 1759-1	Codes	EN 1092-1	Codes
Flat face		Flat face Ra = 3.2...6.3 µm	A	Type A Ra = 3.2...6.3 µm	A	Type A Ra = 3.2...6.3 µm	A
Raised face		Raised face (1.6) [3] Raised face (6.4) [4] Ra = 3.2...6.3 µm	G R	Type B (1.6) [3] Type B (6.4) [4] Ra = 3.2...6.3 µm	G R	Type B1 Ra = 3.2...12.5 µm	B
Male tongue		Male tongue large [1] Male tongue small [1] Ra = 0.8...3.2 µm	H I	Type CL [1] Type CS [1] Ra = 0.8...3.2 µm	H I	Type C Ra = 0.8...3.2 µm	C
Female groove		Female groove large Female groove small Ra = 0.8...3.2 µm	K L	Type DL Type DS Ra = 0.8...3.2 µm	K L	Type D Ra = 0.8...3.2 µm	D
Male Spigot		Male spigot large Male spigot small [2] Ra = 3.2...6.3 µm	M N	Type E Ra = 3.2...6.3 µm	M	Type E Ra = 3.2...12.5 µm	E
Female Spigot		Female spigot large Female spigot small [2] Ra = 3.2...6.3 µm	O P	Type FC Ra = 3.2...6.3 µm	O	Type F Ra = 3.2...12.5 µm	F
Ring joint face		Ring joint face Ra = 0.4...1.6 µm	Q	Type J Ra = 0.4...1.6 µm	Q	N/A	

[1] Not applicable for 1"1/4 and 1"1/2
[2] Only applicable for 4"
[3] Class 150 and 300
[4] Class 600, 900, 1500, 2500

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Ordering details AGW

	AGW	–								.	xxx

Model

Welded thermowell with flanged connection	AGW

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Flange face type

see table on page 2 (codes)	x

Extension (Eg)

Without	0
With extension 100 mm	1
Other	x

Material

Stainless steel 1.4404	2
Other	x

PN / class

EN 1092-1	
10	C
16	D
25	F
40	G
100	J
ANSI B16-5 / EN 1759-1	
150	1
300	2
600	3
900	4
1500	5
2500	6

DN

EN 1092-1	
15	C
20	D
25	E
32	F
40	G
50	H
65	J
80	K
100	L
ANSI B16-5 / EN 1759-1	
1/2" (DN 15)	2
3/4" (DN 20)	3
1" (DN 25)	4
1" 1/4 (DN 32)	5
1" 1/2 (DN 40)	6
2" (DN 50)	7
2" 1/2 (DN 65)	8
3" (DN 80)	9
4" (DN 100)	V

Plunger length Pg

100	100 mm
150	150 mm
200	200 mm
250	250 mm
300	300 mm
350	350 mm
400	400 mm
450	450 mm
500	500 mm
550	550 mm
600	600 mm
650	650 mm
700	700 mm
750	750 mm
800	800 mm
850	850 mm
900	900 mm
xxx	Other

.

Internal / External diameter (Di / Dg)

2 D	8 x 10 mm
4 F	10 x 12 mm
6 H	12 x 14 mm
9 M	16 x 18 mm
x x	Other

Instrument connection

L	G 1/2"
N	1/2 NPT
x	Other