Pressure Regulator

Type 4186-3 - CombiPressure-Regulator

Cryogenic-Pressure Regulator, stainless steel, PN50

Set point range from 2.0 up to 38.0 bar
Connections: male thread for union connection, BSPP (G) or M thread
Cleaning Standard: "cleaned and degreased for oxygen service"
complete with installed strainer screens - mesh size 0.25 mm - on connection A and B

Part No. 4186.X.3100* Set point range 2.0 up to 10.0 bar
set at 8.0 bar unless otherwise noted on purchase order

Part No. 4186.X.3200* Set point range 8.0 up to 22.0 bar
set at 12.0 bar unless otherwise noted on purchase order

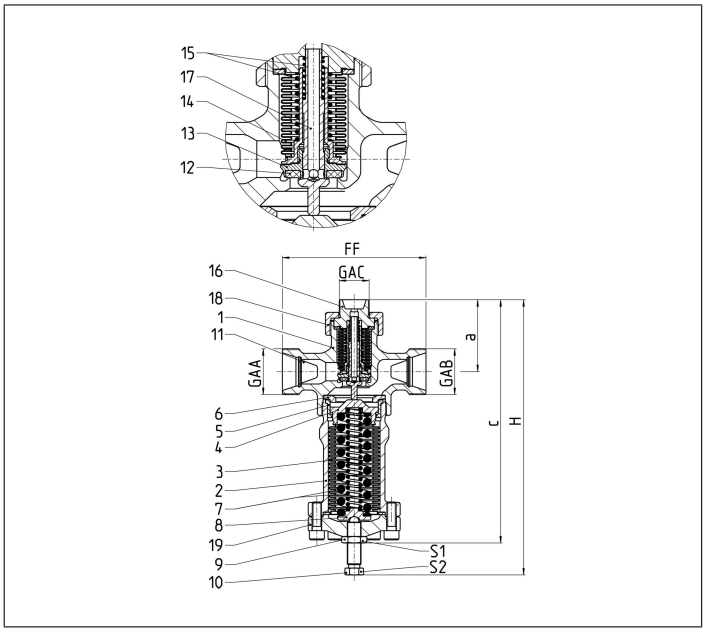
Part No. 4186.X.3300* Set point range 20.0 up to 38.0 bar
set at 20.0 bar unless otherwise noted on purchase order

*connection C: 1 = M thread (cone connection 37°), 2 = BSPP (G) thread (cone connection 60°)

Available options - on request only:
· Further connections
· With check unit type 66044

Applications:
Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.
Working temperature: -196°C / -321°F (77K) up to +65°C / 149°F (338K)
Ambient temperature: -40°C / -40°F (233K) up to +65°C / 149°F (338K)

Materials		DIN EN	ASTM
1	Body	1.4308	A 351 CF8
2	Bonnet (cover)	1.4408	A 351 CF8M
3	Bellow	1.4571	A 313 Grade 316Ti
4	Spring plate	1.4571	A 276 Grade 316Ti
5	Lift stopper	1.4571	A 276 Grade 316Ti
6	Lift stopper	1.4571	A 276 Grade 316Ti
7	Spring	1.4310	A 313 Grade 301
8	Spring clamp	1.4301	A 276 Grade 304
9	Locking nut	1.4301	A 276 Grade 304
10	Set point adjuster	1.4301	A 240 Grade 304
11	Strainer (option)	1.4301	A 240 Grade 304
12	Valve seal	PTFE	
13	Bellow disc	1.4571	A 313 Grade 316Ti
14	Bellow	1.4571	A 313 Grade 316Ti
15	Bellow spring	1.4571	A 313 Grade 316Ti
16	Connection fitting	1.4571	A 313 Grade 316Ti
17	Tubular overflow	1.4571	A 276 Grade 316Ti
18	Union nut	1.4301	A 276 Grade 304
19	Flange cover	1.4308	A 351 CF8



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Type 4186	Technical data		
Nominal size	**DN**	**20**	**20**
Dimension code	.X.	MM04020	MG12000
Face-to-face dimension	FF	125	125
Height	H	239	239
Thread	GA_A	M40x2.0	G 1-1/4
Thread	GA_B	M40x2.0	G 1-1/4
Thread	GA_C	M26x1.5	G 3/4
Length	a	63	63
Length	c	212	212
Wrench size across flats	S_1	19	19
Wrench size across flats	S_2	14	14
Weight	ca. kg	3.2	3.2
Kvs-Value	m^3/h	3.2	3.2
Cv-Value	gal/min	3.7	3.7

Dimensions in mm.

Essential: Please confirm pressure range and valve set pressure on purchase order