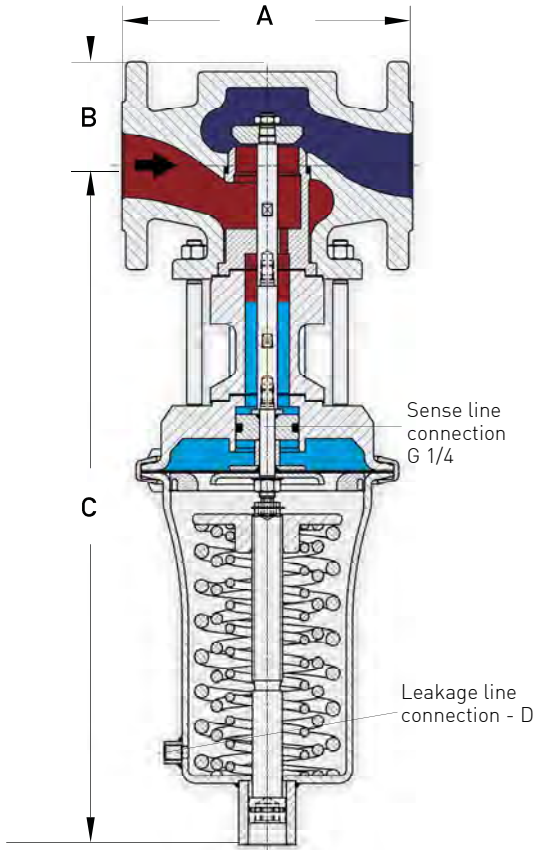


PRV50065

Steam services

GS-C 25 1.0619 (A216-WCB)
 Temperature min. -10°C
 Temperature max. +250°C



Technical Data

Connection DN	15 - 100
Nominal Pressure	PN40
Connections	Flanges acc. EN1092-1 PN16/40
Max. inlet Pressure	30 bar
Outlet Pressure	0.8 - 10 bar
K _{vs} -Value	4.5 - 115 m³/h
Max. Temperature	250 °C
Medium	Steam

Materials

Body	GS-C 25 1.0619 (A216-WCB)
Diaphragm Housing	stainless steel 1.4404 (SS316L)
Medium wetted Internal Parts	stainless steel 1.4404 / 1.4462 (SS316L / Duplex)
Valve Seal	stainless steel 1.4404
Diaphragm	EPDM
O-ring	EPDM

Dimensions [mm]

Size	Nominal diameter DN								
	15	20	25	40	50	65	80	100	
A	130	150	160	200	230	290	310	350	
B	60	60	60	75	75	112	112	112	
C	380	380	380	540	540	610	610	610	
D	G 1/8	G 1/8	G 1/8	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	

Weights [kg]

Nominal diameter DN								
15	20	25	40	50	65	80	100	
11	12	13	37,5	40	72	75	82	

WORKING CONDITIONS

T	-10 °C	130 °C	150 °C	200 °C	250 °C
bar	40	38	36	33	30

Setting Ranges [bar], Nominal Pressure PN

bar	0.8 - 2.5	2 - 5	4 - 10
PN	40/6	40/10	40/16

K_{vs} Values [m³/h]

Seat	15	20	25	40	50	65	80	100
I	4,5	8	8	32	40	90	100	115
II*				20	20	50	50	50
III*				12	12	32	32	32

*optional

Reduction Ratio (max. p1/p2)

Setting Ranges	DN		
	DN 15 - 25	DN 40 - 50	DN 65 - 100
4 - 10 bar	10 : 1	8 : 1	5 : 1
2 - 5 bar	20 : 1	15 : 1	10 : 1
0.8 - 2.5 bar	30 : 1	20 : 1	12 : 1

e.g.: DN 50, set point 3 bar, inlet pressure 16 bar

Min. outlet pressure: 16/15 = 1,067 bar < 3 bar, thus set pressure selected is within operating range.

Standard

- » Body made of GS-C 25 1.0619 (A216-WCB)
- » Medium wetted internal parts made of stainless steel 316L / Duplex
- » Closed spring cap with leakage line connection and sealed adjusting screw
- » Balanced cone for controlling the outlet pressure independently from the inlet pressure
- » Sense line connection
- » EPDM elastomeres
- » Tightness Class IV < 0,01% Kvs value

