

SPRINGLOADED BACKPRESSURE REGULATOR BS(H)10

GASES • LIQUIDS • ACIDS • OIL

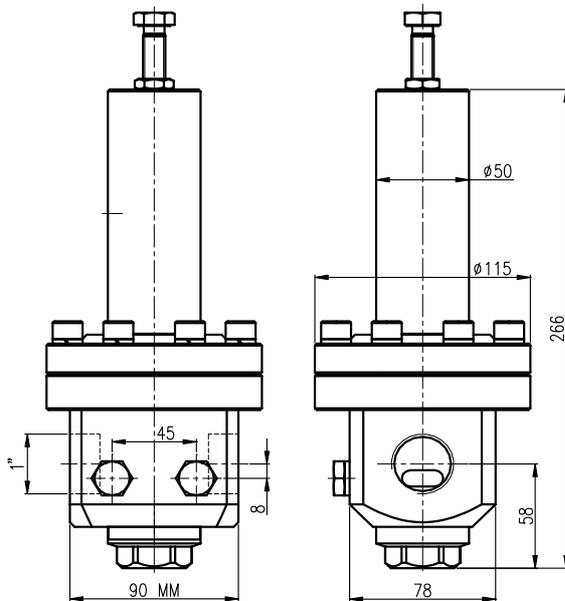


MAIN FEATURES

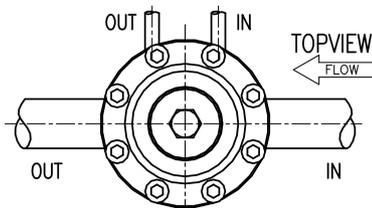
- ss 316L
- balanced valve
- high flow capacity
- Cv 3.84
- leak tight shut-off
- diaphragm or piston sensing
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

- Max. pressure : 70 bar, 250 bar
Set pressure
- diaphragm : 0 – 20 bar
 - piston sensing : 20 – 250 bar
- Seat diameter : 14 mm
Cv (Kv) : 3.84 (3.28)
- Materials:
- Body & Trim : ss 316L
 - Seat insert : BS10: elastomer
BSH10: pctfe, peek
 - Seals, diaphragm : elastomer
- Connections:
- Line : 1" bspp, npt
flanges to DIN/ANSI B16.5
 - Gauge ports : 2x 1/4" npt
- Weight : 7,6 kg (without flanges)
Temperature range : -20 to + 80°C *



PORTING STYLE



CLEANING

This regulator is ultrasonically cleaned and degreased. Oxygen cleaning based on ASTM-G93 Level C / CGA 4.1 is optional.

Do not use teflon tape or anaerobic sealing compounds on the bspp threads.

This is not a safety valve!

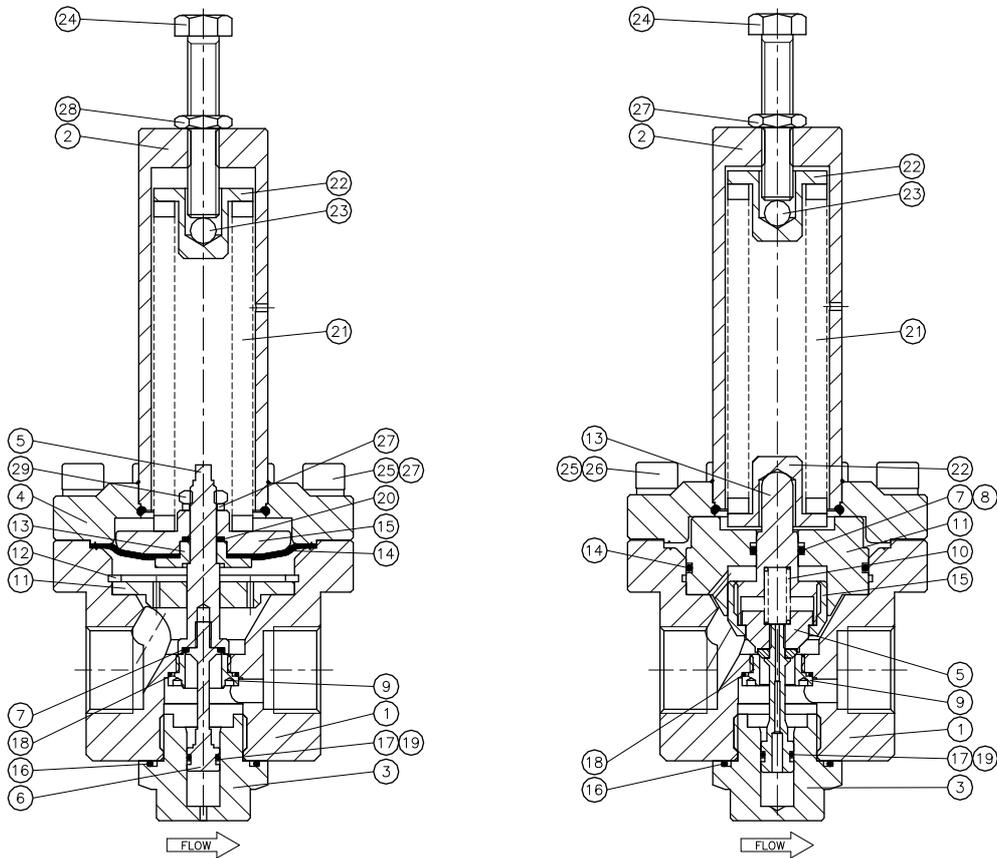
* Actual range depends on choice of seat- and seal material.

⚠ Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:

⚠ Do not use the regulator as a shut off device.

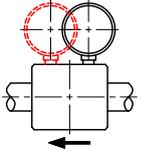
RHPS Series

Swagelok



GAUGEPORT(S)

standard:



Only one gauge Ø63 fits directly into the body.

ORDERING INFORMATION

example: **B**SH**B**10-02-5-**N****N****K**

BSH	B10	- 02	- 5	- N	N	K	
Series / inlet	connection	flange facing*	material	set pressure range	o-rings	diaphragm	seat
BS = 70 bar BSH = 250 bar	B10 = 1" bspp N10 = 1" npt ansi flanges FA10A = 1" Class 150 FA10B = 1" Class 300 FA10C = 1" Class 600 FA10E = 1" Class 1500 FA10F = 1" Class 2500 din flanges FD10M = DN25 PN16 FD10N = DN25 PN40 FD10P = DN25 PN64 FD10R = DN25 PN250 FD10S = DN25 PN400	(if flanges are ordered) 1 = raised face smooth 3 = RJT	02 = ss316L	BS: <i>diaphragm sensing:</i> 1 = 0 – 3 bar 2 = 0 – 5 bar 3 = 0 – 10 bar 4 = 0 – 20 bar <i>piston sensing:</i> 5 = 0 – 40 bar BSH: <i>diaphragm sensing:</i> 1 = 0 – 3 bar 2 = 0 – 5 bar 3 = 0 – 10 bar 4 = 0 – 20 bar <i>piston sensing:</i> 5 = 0 – 40 bar 6 = 0 – 100 bar 7 = 0 – 180 bar 8 = 0 – 250 bar	N = nitrile E = epdm V = viton	N = nitrile E = epdm V = viton <i>piston o-rings:</i> N = nitrile E = epdm V = viton	<i>diaphragm sensing:</i> N = nitrile E = epdm V = viton <i>piston sensing:</i> K = pcticfe P = peek

Red text identifies an example ordering number

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

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