

SPRINGLOADED PRESSURE REGULATOR RS(H)6

GASES • WATER • ACIDS • OILS



MAIN FEATURES

- ss 316L
- balanced valve
- Cv 1.95
- leak-tight shut-off
- diaphragm or piston sensing
- choice of o-ring materials
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

Inlet pressure : 70 bar, 400 bar

Outlet ranges:

- Diaphragm sensing : 0 – 14 bar
- Piston sensing : 0 – 400 bar

Seat diameter : 10 mm

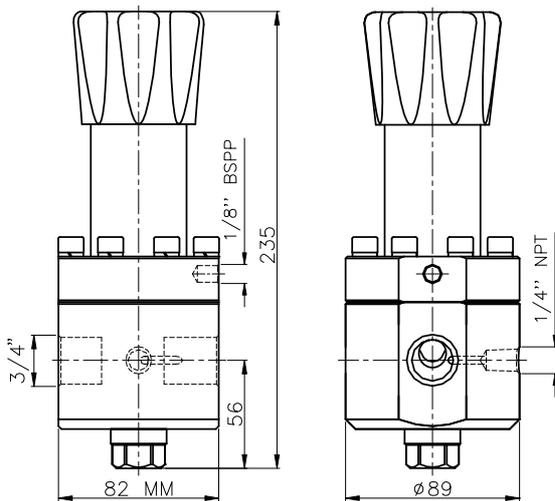
Cv (Kv) : 1.95 (1.66)

Materials:

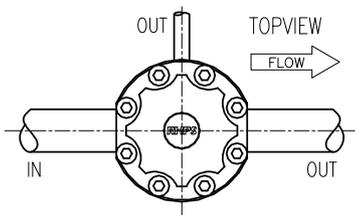
- Body & Trim : ss 316L
- Springhousing : ss 316L
- Seat insert : RS6: elastomer
: RSH6: pctfe, peek
- Seals : elastomer

Connections:

- Line brass : 3/4" bspp
- Line ss316L : 3/4" bspp, npt
flanges to DIN / ANSI B16.5
- Gauge port : 1/4" npt
- Weight : 4,5 kg (without flanges)
- Temperature range : -20°C 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.

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



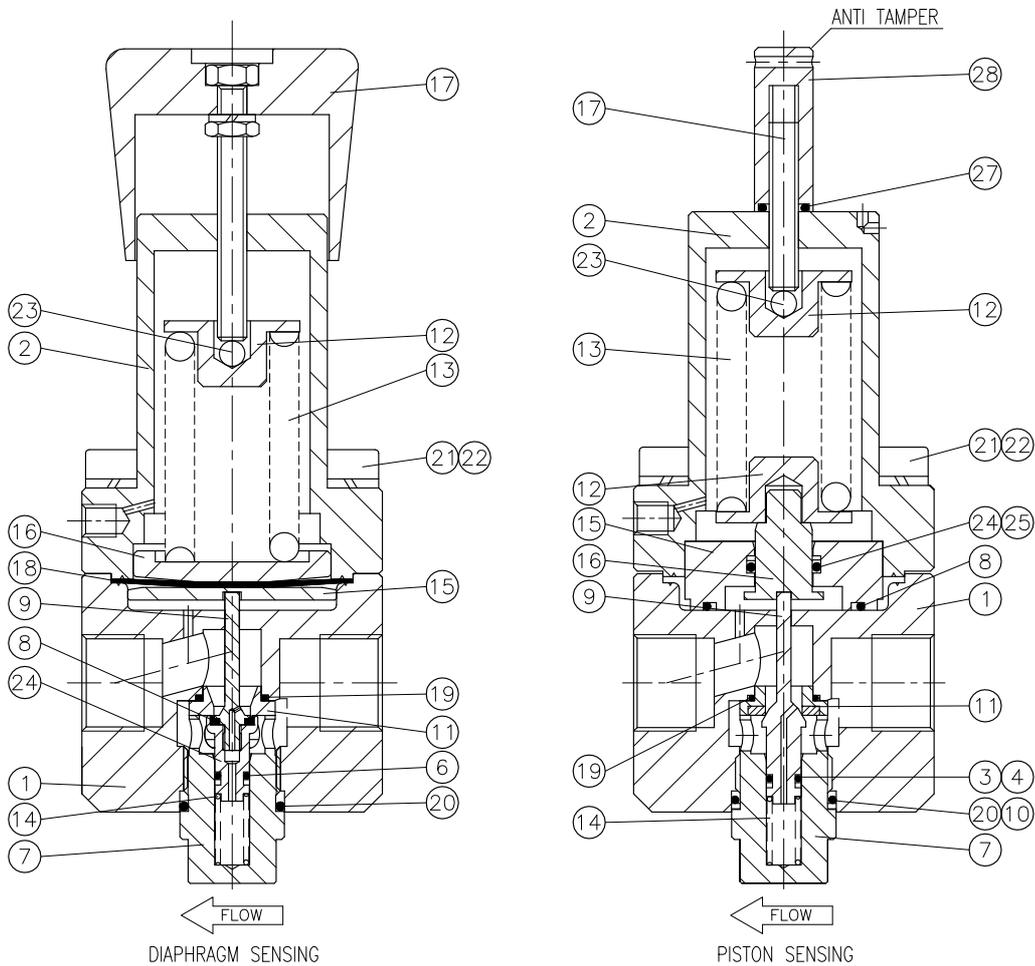
Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:



Do not use the regulator as a shut off device.

RHPS Series

Swagelok



GAUGEPORT(S)

standard:



options:



GN2
(not in combination with flanges)



GN4



GN5
(not in combination with flanges)

ORDERING INFORMATION

example: **RSHB6-02-4-NNK-A**

RSH	B6	- 02	- 4	- N	N	K	- A	
series / inlet	connection	flange facing*	material	outlet range	o-rings	diaphragm	seat	options
RS = 70 bar RSH = 400 bar	B6 = 3/4" bsp N6 = 3/4" npt ANSI flanges FA6A = 3/4" Class 150 FA6B = 3/4" Class 300 FA6C = 3/4" Class 600 FA6E = 3/4" Class 1500 FA6F = 3/4" Class 2500 Din flanges FD6M = DN20 PN16 FD6N = DN20 PN40 FD6P = DN20 PN64 FD6R = DN20 PN250 FD6S = DN20 PN400	(if flanges are ordered) 1 = raised face smooth 3 = RTJ	02 = ss316L	RS: diaphragm sensing: 1 = 0 - 3 bar 2 = 0 - 7 bar 3 = 0 - 14 bar piston sensing: 4 = 0 - 28 bar 5 = 0 - 40 bar RSH: diaphragm sensing: 1 = 0 - 3 bar 2 = 0 - 7 bar 3 = 0 - 14 bar piston sensing: 4 = 0 - 28 bar 5 = 0 - 40 bar 6 = 0 - 80 bar 7 = 0 - 150 bar 9 = 0 - 280 bar 11 = 0 - 400 bar	N = nitrile E = epdm V = viton	N = nitrile E = epdm V = viton piston o-rings: N = nitrile E = epdm V = viton	RS: N = nitrile E = epdm V = viton RSH: K = pctfe P = peek	A = anti-tamper G* = gauge port * see gauge port options

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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