

SPRINGLOADED BACKPRESSURE REGULATOR BS(H)2
LOW FLOW • COMPACT • HIGH PRESSURE CAPABILITY



MAIN FEATURES

- ss 316L
- piston sensing
- 6 pressure ranges
- bottom mounting
- bubble tight shut-off
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

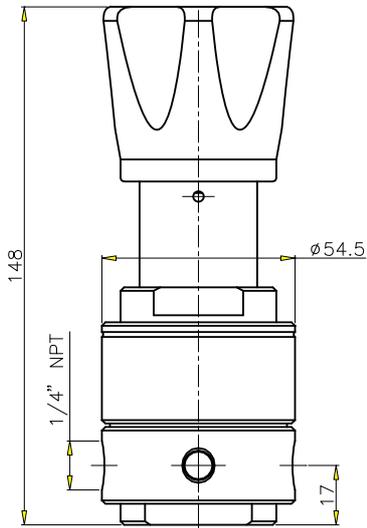
Max pressure	: 400 bar, 700 bar
Set pressure range	: 0 - 350 bar, 0 - 700 bar
Seat diameter	: 2.2 mm
Cv (Kv)	: 0.1 (0.09)
Materials:	
• Body & Trim	: ss 316L
• Spring housing	: ss 316L
• Seat	: pctfe, peek
• Seals	: elastomer
Connections:	
• Line	: 1/4" npt
• Gauge ports	: 2x 1/4" npt
Weight	: 1,5 kg
Temperature range	: -20°C to +80 °C *



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.

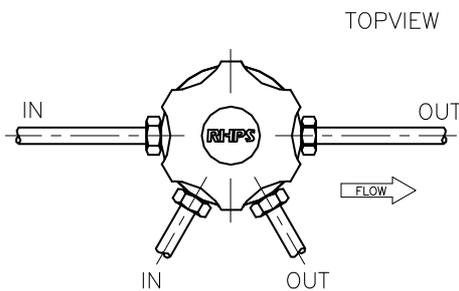


CLEANING

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

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

PORTING STYLE

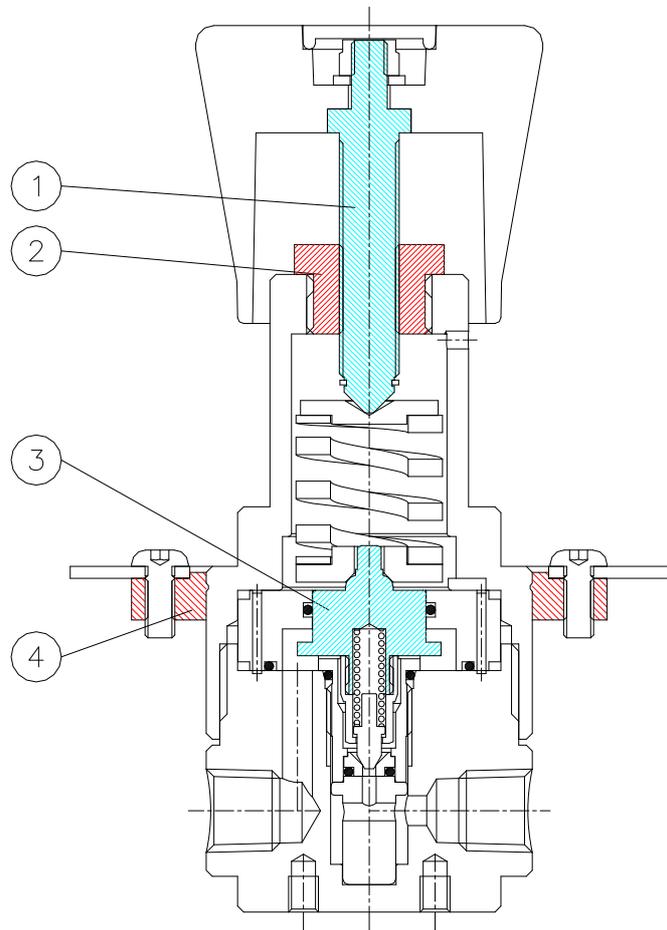


WHY BUY THE BS2?

The BS2 offers a variety of features, which make it a **very attractive** type of a regulator. First of all it is entirely made of **ss 316L** and is capable of handling **400 bar** pressure, and optionally even **700 bar**. Other features are listed below.

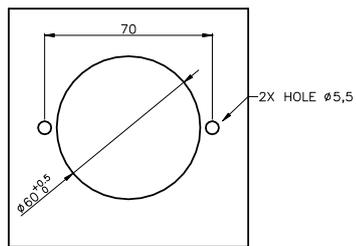
SPECIAL FEATURES

1. Low torque no-wear stem
2. Removable hardened cap
3. Low friction piston for better control
4. Panel mounting
no disassembly required

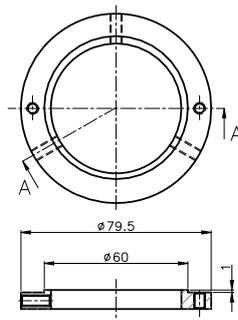


PANELMOUNTING

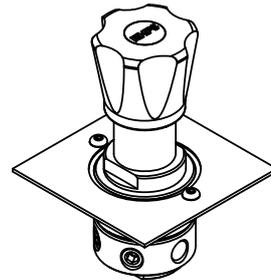
No disassembly required placing the BS2 regulator in a panel. (To be ordered separately.)



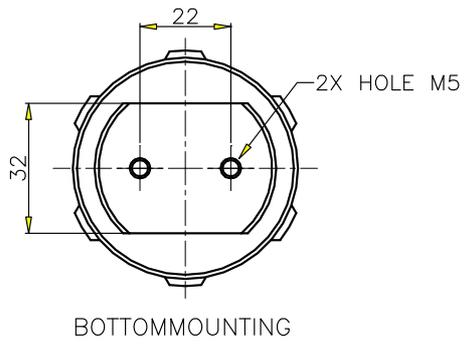
PANEL CUT-OUT



PANEL RING

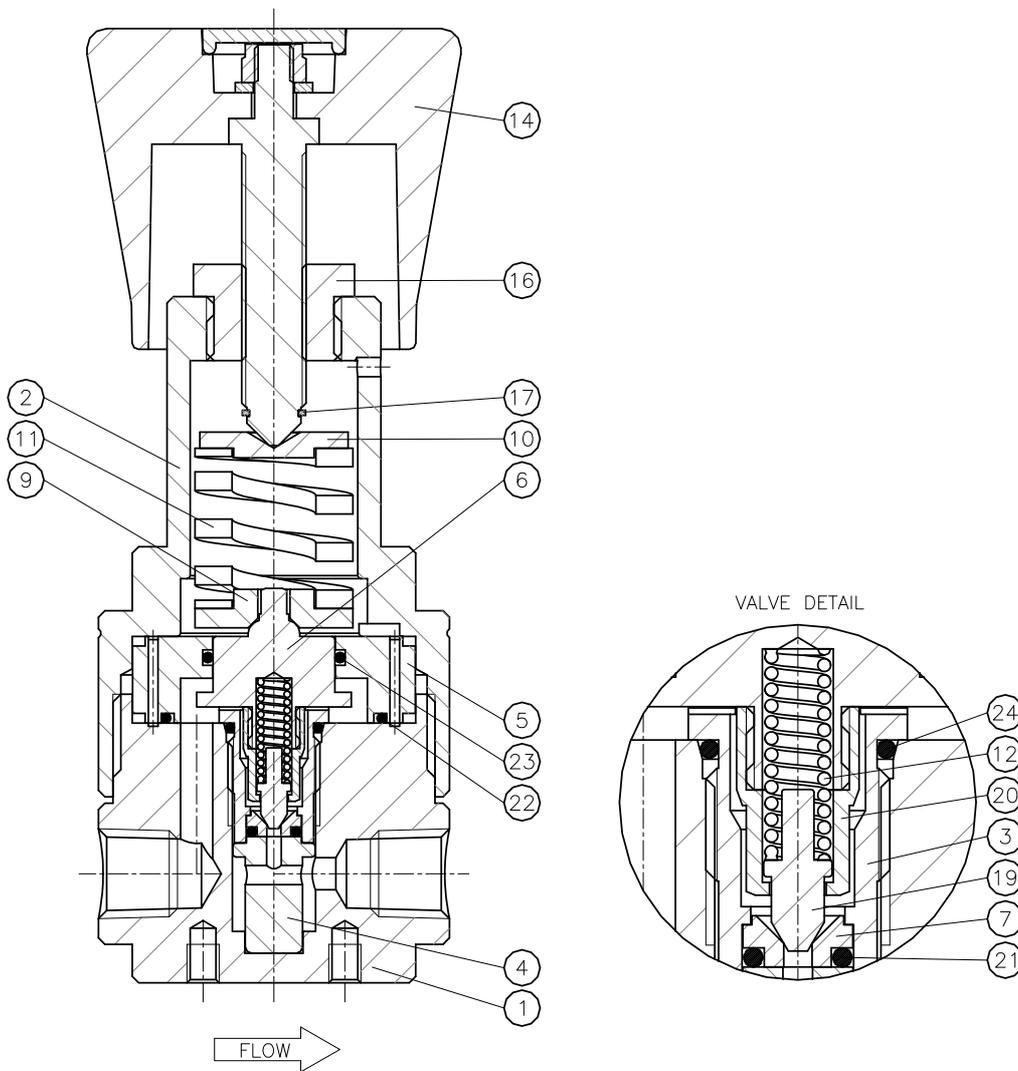


BOTTOM MOUNTING



INSTALLATION

Read and understand the manual before installing this regulator.



ORDERING INFORMATION

example: BSN2-02-3-VVK

BS	N2	- 02	- 3	- V	V	K	
series / inlet	connection	material	set pressure range	o-rings	piston o-rings	seat	option
BS=400 bar BSH=700 bar	N2 = 1/4" npt	02 = ss316L	1 = 0 - 10 bar 2 = 0 - 25 bar 3 = 0 - 100 bar 4 = 0 - 175 bar 5 = 0 - 350 bar 6 = 0 - 700 bar (only BSH)	V= viton Options: N= nitrile E= epdm F= fflkm	V= viton Options: N= nitrile E= epdm F= fflkm	K= pctfe Options: P= peek	N= nace

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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