

SPRINGLOADED PRESSURE REGULATOR RS(H)2

LOW FLOW • COMPACT • ECONOMICAL

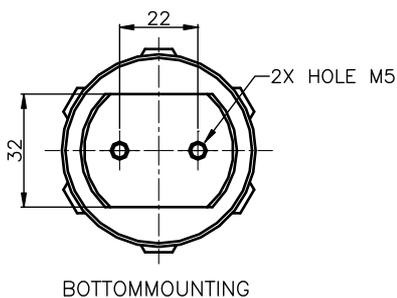
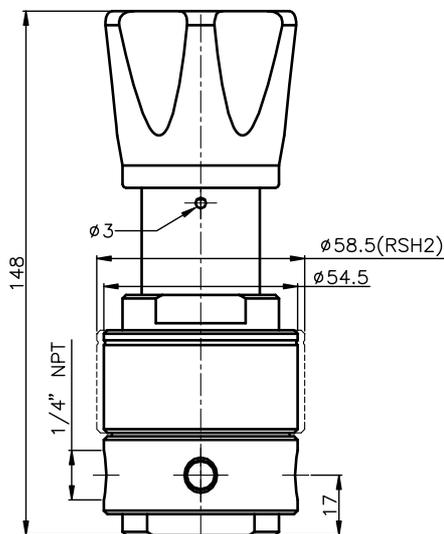


MAIN FEATURES

- cartridge valve
- ss 316L throughout
- integral 25 µm filter
- piston sensing
- bubble tight shut-off
- 6 outlet ranges
- bottom mounting
- easy maintenance
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

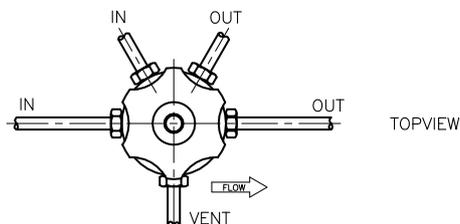
Inlet pressure	: 400 bar, 700 bar
Outlet ranges	: 0 - 350 bar, 0 - 700 bar
Seat diameter	: 2.2 mm
Cv (Kv)	: 0.05 (0.043)
Materials:	
• Body & Trim	: ss 316L
• Springhousing	: ss 316L
• Seat	: pctfe, peek
• Seals	: elastomer
Connections:	
• Line	: 1/4" npt
• Vent	: 1/8" npt
• Gaugeports	: 2x 1/4" npt
Weight	: 1,5 kg
Temperature range	: -20°C to +80°C *



CLEANING

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

PORTING STYLE



* 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

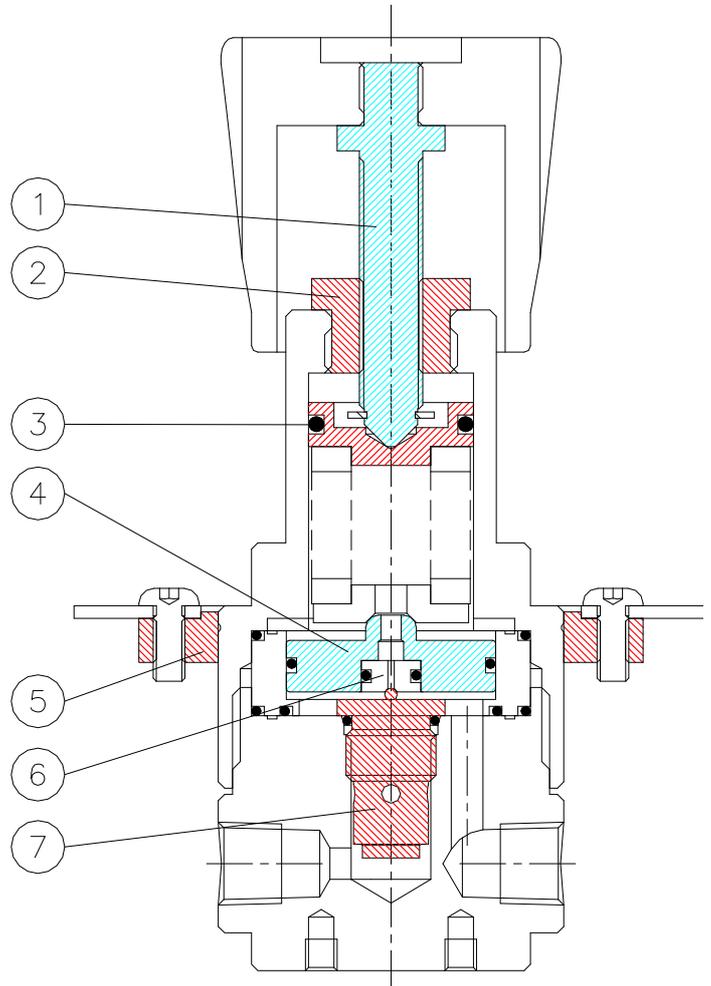
Swagelok®

WHY BUY THE RS2?

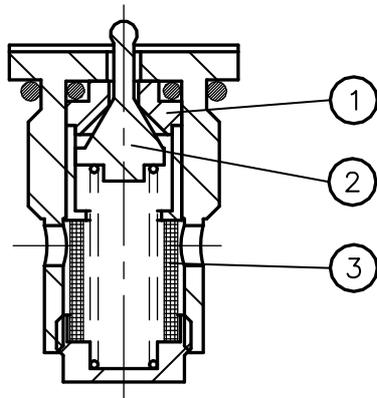
The RS2 offers a variety of features, which make it a **very attractive** type of a regulator. First of all it is entirely made of **ss 316L** and is capable of handling **400 bar** pressure, and optionally even **700 bar**. Other features are listed below.

SPECIAL FEATURES

1. Low torque no-wear stem
2. Removable hardened cap
3. Sealed spring housing
4. Low friction piston for better control
5. Panel mounting
no disassembly required
6. Captured vent below panel
safely pipe away
no tubing above panel
7. Cartridge valve assembly
easy replacement



CARTRIDGE

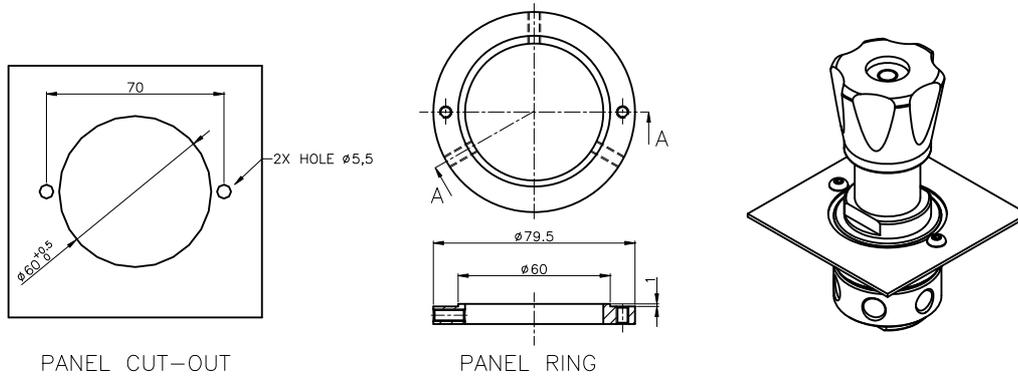


- 1 = valve seat
- 2 = valve
- 3 = filter 25 μm

PANELMOUNTING

No disassembly required placing the RS2 regulator in a panel.
To be ordered separately as panel mounting kit.

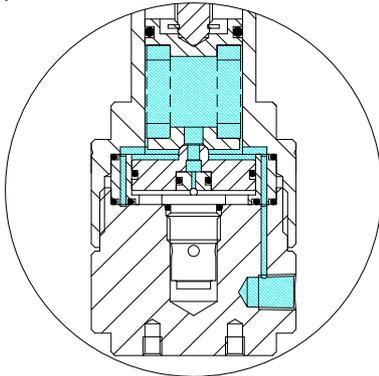
- RS2 : RS2-P-02
- RSH2 : RSH2-P-02



CAPTURED VENTING

Captured venting is standard.

If so required a non-venting version can be supplied.



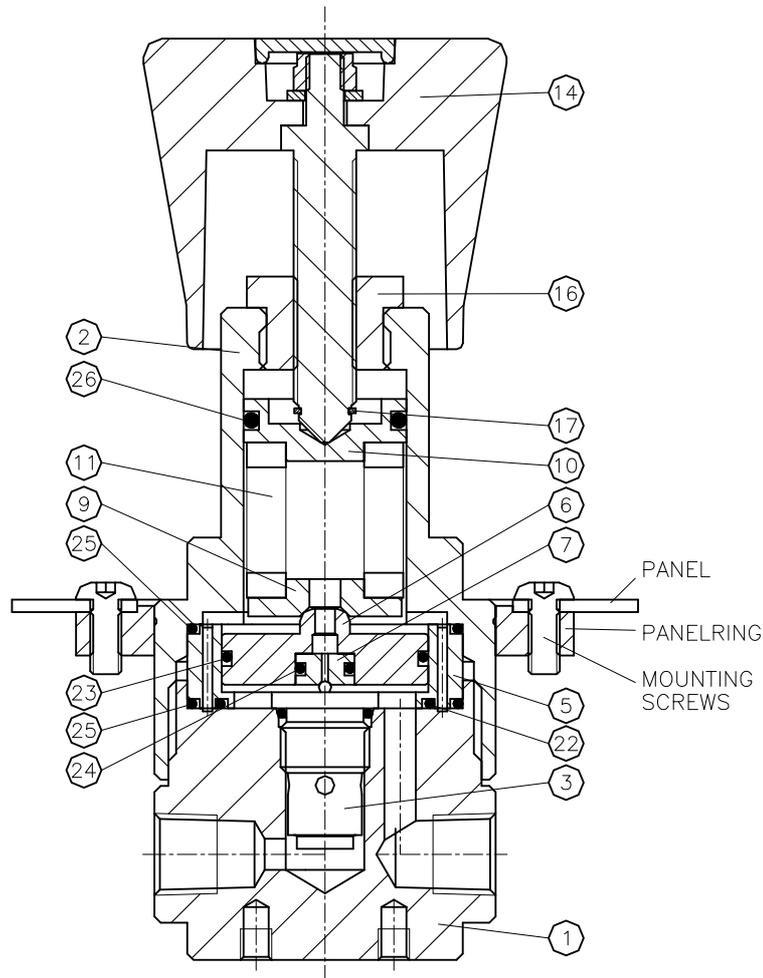
O-RINGS

Viton o-rings are standard.

If so required alternative o-ring materials, nitrile, epdm or fflkm can be applied at additional prices.
fflkm is a perfluorinated elastomer.
In the RS(H)2 we apply V8588-90.

SERVICE-MAINTENANCE

The factory assembled and tested valve cartridge provides “plug and play” in-field service.



ORDERING INFORMATION

example: RSN2-02-3-VVK-LNV

RS	N2	- 02	- 3	- V	V	K	- LNV
series / inlet	port	body material	outlet range	o-rings	piston o-rings	seat	options
RS = 400 bar RSH = 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 (RSH only)	V = viton <i>Options:</i> N = nitrile E = epdm F = ffkmm	V = viton <i>Options:</i> N = nitrile E = epdm F = ffkmm	K = pctfe <i>Option:</i> P = peek* * standard for RSH2	L = no filter NV = non-venting 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.

RHPS, Swagelok—TM Swagelok Company
 © 2010 Swagelok Company
 Printed in U.S.A., OM
 June 2010, R0
 MS-02-375-E