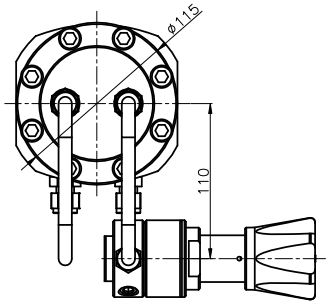
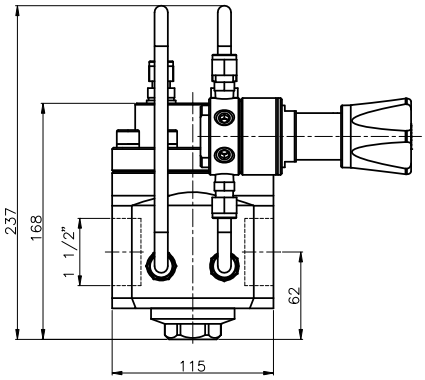
1½" PILOT-OPERATED PRESSURE REGULATOR RD(H)15

2- PATH CONTROL

MAIN FEATURES

- **ss 316L**
- **balanced valve**
- **integral pilotregulator**
- **2- path control**
- **diaphragm sensing**
- **Cv 7.3**
- **bubble tight shut off**
- **large dome for improved stability**
- **shell design according to EN 12516**
- **delivery according to PED**





CHARACTERISTICS

Inlet pressure	: 70 bar, 400 bar
Outlet ranges	: 0 – 70 bar, 0 – 250 bar
Ratio dome / outlet pressure	: 1:1
Seat diameter	: 19 mm
Cv (Kv)	: 7.3 (6.3)
Materials:	
• Body, Dome, Trim	: ss 316L
• Seat insert	: RD15: elastomer RDH15: pctfe, peek
• Seals, Diaphragm	: elastomer
Dependency	: 0,3% of inlet pressure drop
Connections	
• Line	: 1½" bspp, npt flanges to DIN / ANSI B16.5
• Dome	: 2x ¼" bspp
• Gauge-, Pilotports	: 2x ¼" bspp, npt
Weight	: 9 kg (without flanges)
Temperature range	: -20°C to +80°C

IMPROVED PERFORMANCE

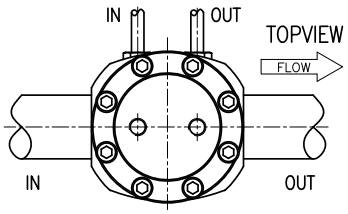
- an external feedback (when P2 ≤ 20 bar)

CLEANING

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

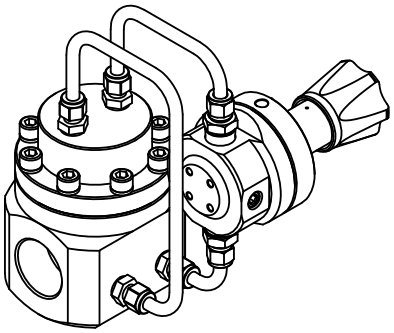
Do not use teflon tape or anaerobic sealing compounds on the bspp threads.

PORTING STYLE

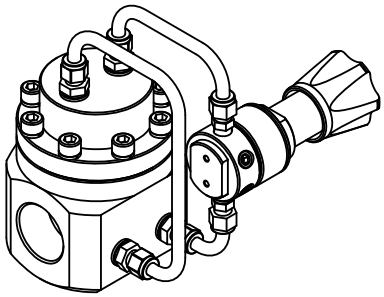


⚠ **Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:**

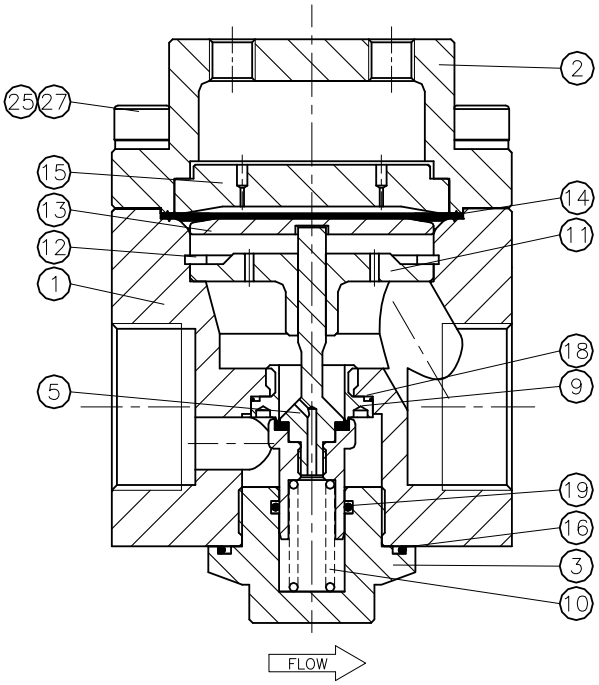
⚠ **Do not use the regulator as a shut off device.**



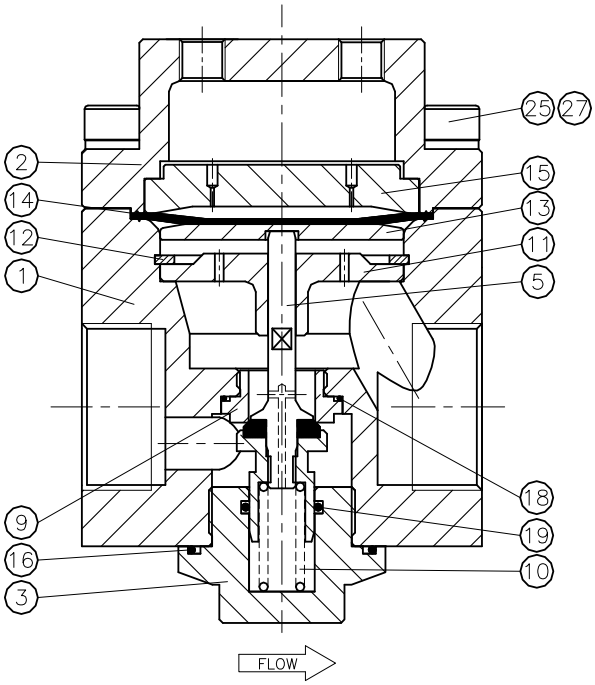
RD15 with LRS4



RDH15 with RS2



RD15



RDH15

GAUGEPORTS

If gauges are required use gauge port(s) of pilot regulator.

ORDERING INFORMATION

example: **RDHB15-02-4-NNK-EF**

RDH	B15		- 02	- 4	- N	N	K	- EF
series / inlet	connection	flange facing*	material	outlet range	o-ring	diaphragm	seat	options
RD = 70 bar **RDH** = 400 bar	**B15** = 1½" bspp **N15** = 1½" npt **ansi flanges** **FA15A** = 1½" Class 150 **FA15B** = 1½" Class 300 **FA15C** = 1½" Class 600 **FA15E** = 1½" Class 1500 **FA15F** = 1½" Class 2500 **din flanges** **FD15M** = DN40 PN16 **FD15N** = DN40 PN40 **FD15P** = DN40 PN64 **FD15R** = DN40 PN250 **FD15S** = DN40 PN400	(if flanges are ordered) **1** = raised face smooth **3** = RTJ	**02** = ss316L	*RD:* **0** = 0 - 3 bar **1** = 0 - 9 bar **2** = 0 - 20 bar **3** = 0 - 70 bar *RDH:* **4** = 0 - 10 bar **5** = 0 - 25 bar **6** = 0 - 100 bar **7** = 0 - 175 bar **8** = 0 - 250 bar	**N** = nitrile **E** = epdm **V** = viton	**N** = nitrile **E** = epdm **V** = viton	RD: **N** = nitrile **E** = epdm **V** = viton RDH: **K** = pctfe **P** = peek	**EF** = external feedback

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.

Printed in U.S.A., OM
June 2010, R0
MS-02-396-E