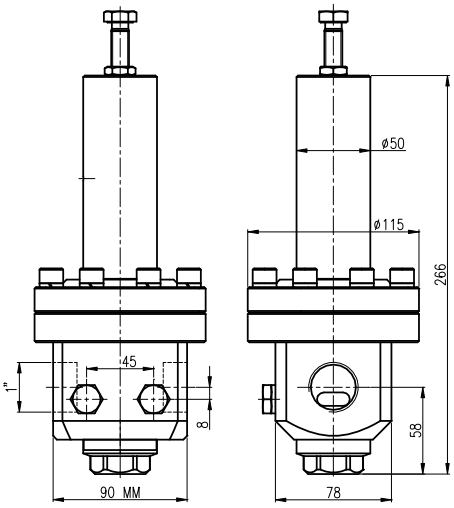
HIGH FLOW PRESSURE REGULATOR RS(H)10

HIGH ACCURACY • BALANCED VALVE

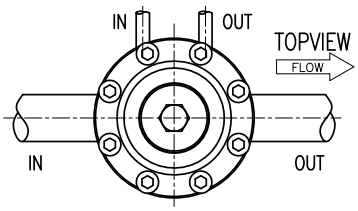
For medium and high pressures

MAIN FEATURES

- **ss 316L**
- **diaphragm or piston sensing**
- **balanced valve**
- **high flow**
- **Cv 3.79**
- **bubble tight shut-off**
- **shell design according to EN 12516**
- **delivery according to PED**



PORTING STYLE



CHARACTERISTICS

Inlet pressure	: 70 bar, 400 bar
Outlet ranges:	
• Diaphragm sensing	: 0 – 20 bar
• Piston sensing	: 0 – 250 bar
Seat diameter:	
• RS10	: 14 mm
• RSH10	: 12.7 mm
Cv (Kv)	: 3.79 (3.28)
Materials:	
• Body & Trim	: ss 316L
• Springhousing	: ss 316L
• Seat insert	: RS10: elastomer : RSH10: pctfe, peek
• Seals & Diaphragm	: elastomer
Connections:	
• Line	: 1" bspp, npt, flanges to DIN / ANSI B16.5
• Gaugeports	: 2x ¼" npt
Weight	: 7,5 kg (without flanges)
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.

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

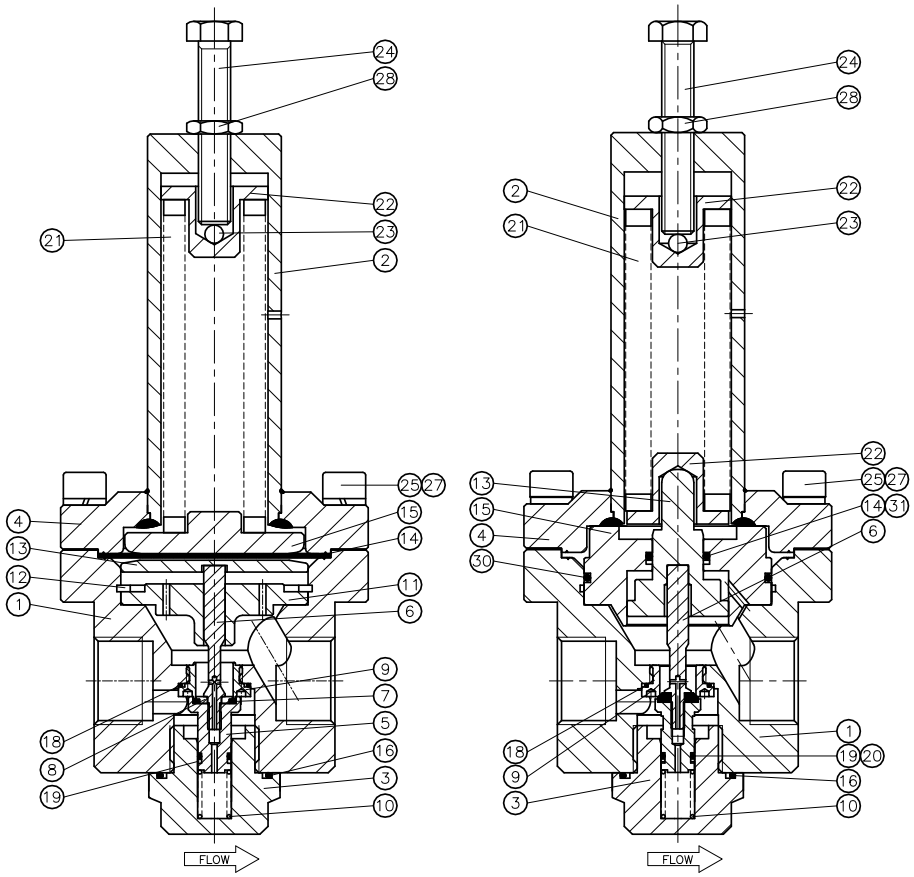
∗ Actual range depends on choice of seat- and seal material.

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

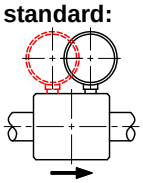
⚠ **Do not use the regulator as a shut off device.**

RHPS Series

Swagelok



GAUGEPORT(S)
standard:



Only one gauge Ø63 fits directly into the body.

ORDERING INFORMATION
example: RSHB10-02-6-NNK

RSH	B10		- 02	- 6	- N	N	K
series / inlet	**connection**	**flange facing***	**material**	**outlet range**	**o-rings**	**diaphragm**	**seat**
RS = 70 bar **RSH** = 400 bar∗ ∗ Downstream side 250 bar design pressure	**B10** = 1" npt **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** = RTJ	**02** = ss316L	*RS:* *diaphragm sensing*: **1** = 0 – 3 bar **2** = 0 – 5 bar **3** = 0 – 10 bar *piston sensing:* **4** = 0 – 20 bar **5** = 0 – 40 bar *RSH:* *diaphragm sensing*: **1** = 0 – 3 bar **2** = 0 – 5 bar **3** = 0 – 10 bar *piston sensing:* **4** = 0 – 20 bar **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 *Piston o-rings* **N** = nitrile **E** = epdm **V** = viton	*RS:* **N** = nitrile **E** = epdm **V** = viton *RSH:* **K** = pctfe **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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