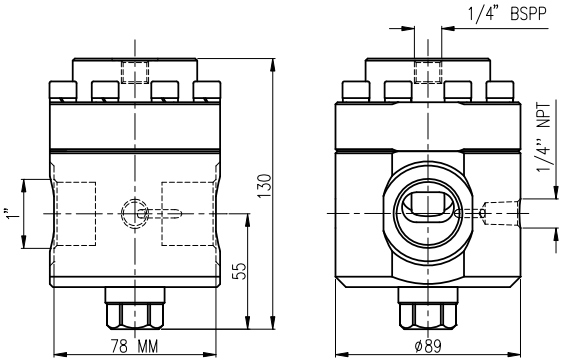
DOMELOADED PRESSURE REGULATOR RD(H)8

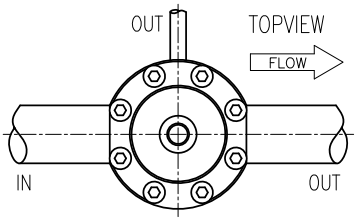
GASES • LIQUIDS • ACIDS • OILS

MAIN FEATURES

- **ss 316L**
- **balanced valve**
- **Cv 2.07**
- **bubble tight shut-off**
- **diaphragm sensing**
- **¼" npt outlet gaugeport**
- **choice of o-ring materials**
- **shell design according to EN 12516**



PORTING STYLE



CHARACTERISTICS

Inlet pressure	: 70 bar, 400 bar
Outlet ranges	: 0 – 70 bar, 0 – 400 bar
Ratio dome / outletpressure	: 1:1
Seat diameter	: 10 mm
Cv (Kv)	: 2.07 (1.79)
Materials:	
• Body & Trim	: ss 316L
• Dome	: ss 316L
• Seat insert	: RD8: elastomer RDH8: pctfe, peek
• Seals	: elastomer
Connections:	
• Line	: 1" bspp, npt flanges to DIN / ANSI B16.5
• Dome	: ¼" bspp
• Outlet gauge	: ¼" npt
Weight	: 4 kg (without flanges)
Temperature range	: -20°C to +80 °C *

CLEANING

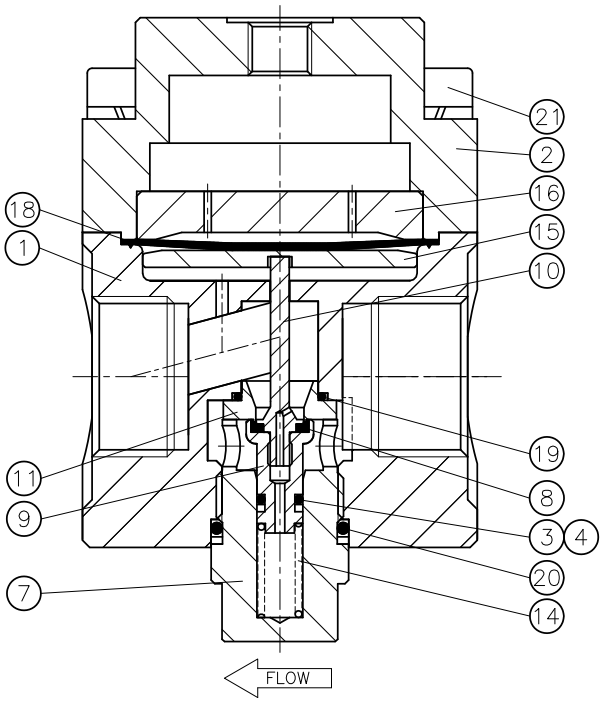
This regulator is ultrasonically cleaned and degreased.
Cleaning based on
ASTM-G93 Level C / CGA 4.1 is optional.

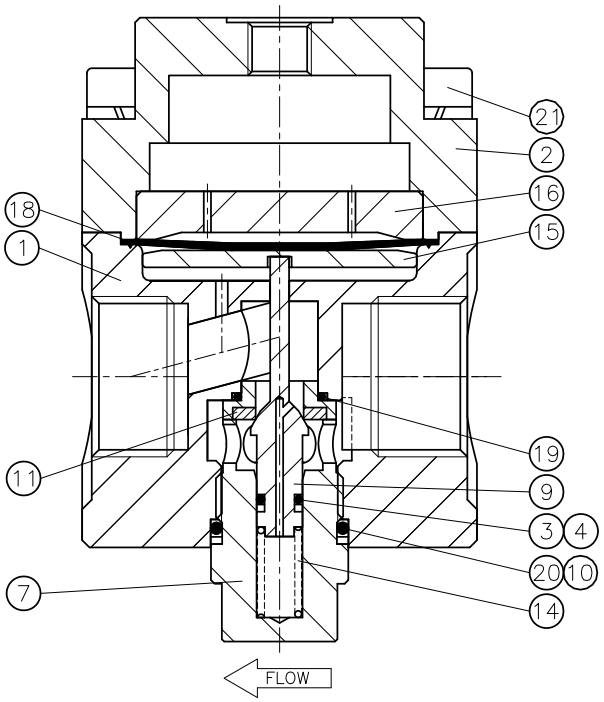
Do not use teflon tape or anaerobic sealing compounds on the bspp threads.

*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.**





GAUGEPORT(S)
standard:

options:

GN2
(not in combination with flanges)

GN4

GN5
(not in combination with flanges)

ORDERING INFORMATION
example: **RDHB8-02-NNK**

RDH	B8		- 02	- N	N	K	
series / inlet	**connection**	**flange facing***	**material**	**o-rings**	**diaphragm**	**seat**	**options**
RD = 70 bar **RDH** = 400 bar	**B8** = 1" bspp N8 = 1" npt **ansi** flanges **FA8A** = 1" class 150 **FA8B** = 1" class 300 **FA8C** = 1" class 600 **FA8E** = 1" class 1500 **FA8F** = 1" class 2500 **din flanges** **FD8M** = DN25 PN16 **FD8N** = DN25 PN40 **FD8P** = DN25 PN64 **FD8R** = DN25 PN250 **FD8S** = DN25 PN400	*if flanges are ordered **1** = raised face smooth **3** = RTJ	**02** = ss316L	**N** = nitrile **E** = epdm **V** = viton	**N** = nitrile **E** = epdm **V** = viton	*RD:* **N** = nitrile **E** = epdm **V** = viton *RDH:* **K** = pctfe **P** = peek	**G*** = gauge port **PR** = pilot regulator *** 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.

RHPS, Swagelok—TM Swagelok Company

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