

# DOMELOADED PRESSURE REGULATOR RD(H)8

## GASES • LIQUIDS • ACIDS • OILS

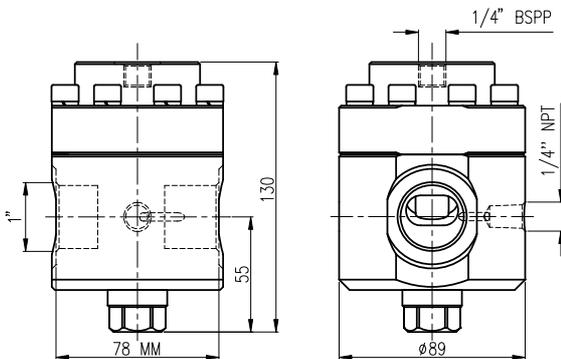


### MAIN FEATURES

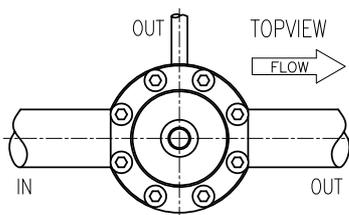
- ss 316L
- balanced valve
- Cv 2.07
- bubble tight shut-off
- diaphragm sensing
- ¼" npt outlet gaugeport
- choice of o-ring materials
- shell design according to EN 12516
- delivery according to PED

### CHARACTERISTICS

- Inlet pressure : 70 bar, 400 bar  
Outlet ranges : 0 – 70 bar, 0 – 400 bar  
Ratio dome / outletpressure : 1:1  
e  
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 : elastomerConnections:
  - Line : 1" bspp, flanges to DIN / ANSI B16.5
  - Dome : ¼" bspp
  - Outlet : ¼" npt gaugeWeight : 4 kg ( without flanges)  
Temperature : -20°C to +80 °C \*



### PORTING STYLE



### CLEANING

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

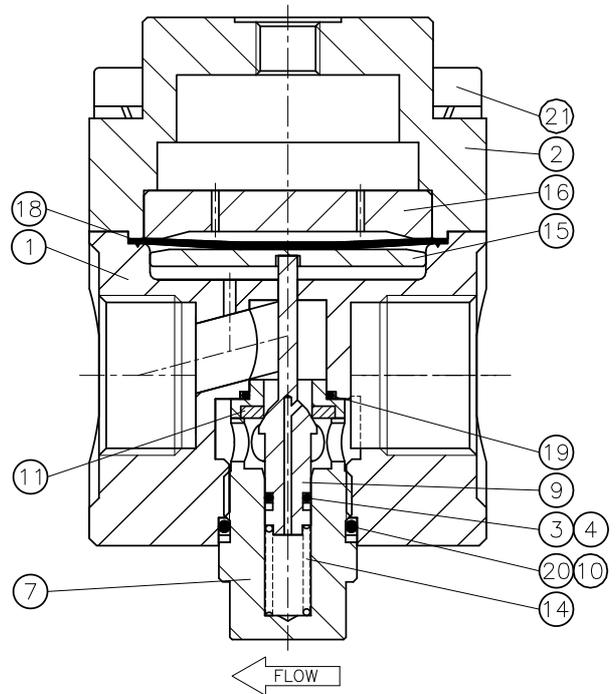
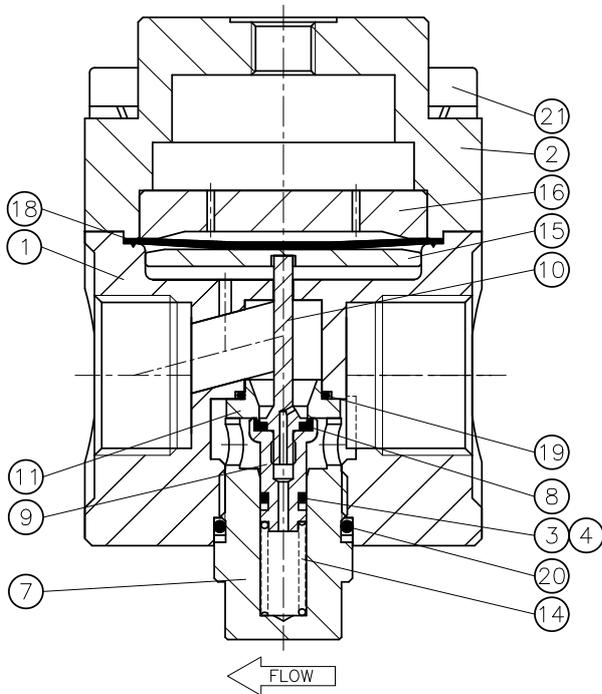
**Do not use teflon tape or anaerobic sealing compounds on the bspp threads.**

\*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



**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.

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