

DOMELOADED PRESSURE REGULATOR RD(H)10

HIGH FLOW • BALANCED VALVE • SS316L

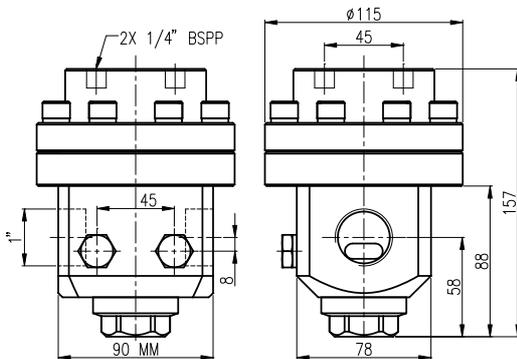


MAIN FEATURES

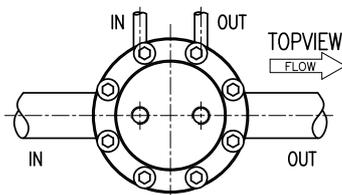
- ss 316L
- balanced valve
- diaphragm sensing
- Cv 3.79
- bubble tight shut off
- large dome for improved stability
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

Inlet pressure	: 70 bar, 400 bar
Outlet ranges	: 0 – 70 bar, 0 – 250 bar
Ratio dome / outlet pressure	: 1:1
Seat diameter	: 14 mm
Cv (Kv)	: 3.79 (3.28)
Materials:	
• Body, Dome, Trim	: ss 316L
• Seat insert	: RD10: elastomer RDH10: pctfe, peek
• Seals, Diaphragm	: elastomer
Dependency	: 0,8 % of inlet pressure drop
Connections:	
• Line	: 1" bspp, npt, flanges to DIN/ ANSI B16.5
• Dome	: 2x 1/4" bspp
• Gauge-, Pilotports	: 2x 1/4" bspp, npt
Weight	: 6 kg (without flanges)
Temperature range	: -20°C to +80°C



PORTING STYLE



IMPROVED PERFORMANCE

To enhance the performance we advise to use:

- a [pilot regulator](#)
- an [external feedback](#) (when $P_2 \leq 20$ 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.

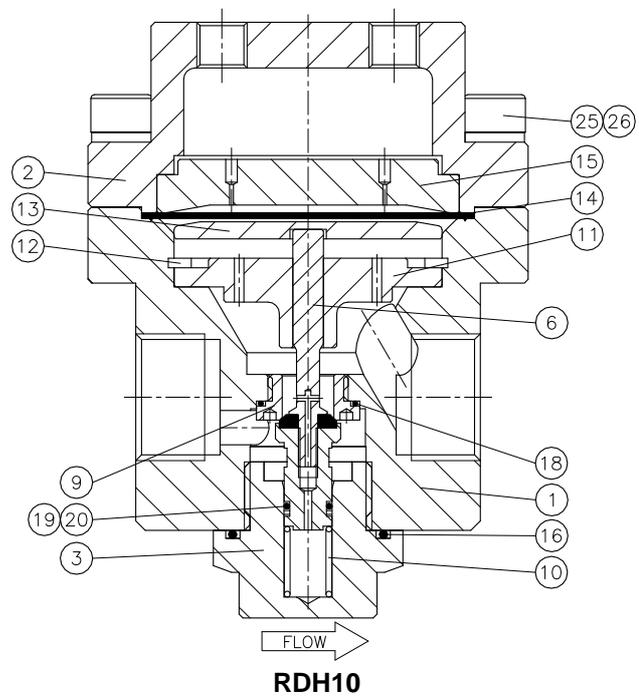
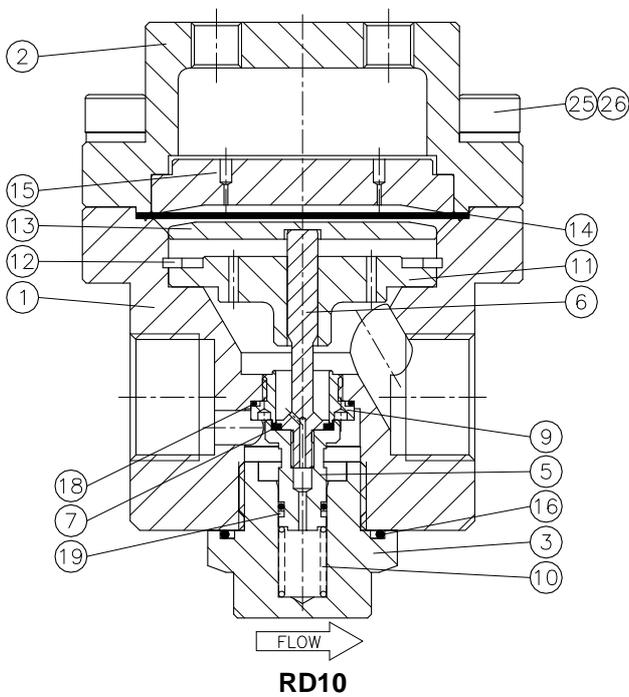


Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:



Do not use the regulator as a shut off device.

RHPS Series



GUAGEPORTS

If gauges are required use gauge port(s) of pilot regulator.
 If no pilot regulator is installed use pilot connections as gauge port.

ORDERING INFORMATION
 example: RDHB10-02-NNK-EF

RDH	B10	-02	- N	N	K	- EF	
series / inlet	connection	flange facing*	material	o - rings	diaphragm	seat	options
RD = 70 bar RDH = 400 bar	B10 = 1" bspp 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	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 G = gauge port PR = pilot regulator

Red text identifies an example ordering number.
 Pilot regulators available upon request

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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 Printed in U.S.A., OM
 June 2010, R0