

DOMELOADED BACKPRESSURE REGULATOR BD(H)15

HIGH FLOW • BALANCED VALVE • COMPACT



MAIN FEATURES

- ss 316L
- balanced valve
- integral pilotregulator
- high accuracy due to large diaphragm
- wide flow range
- Cv 7,3
- bubble tight shut-off
- machined from bar stock materials
- large dome for improved stability
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

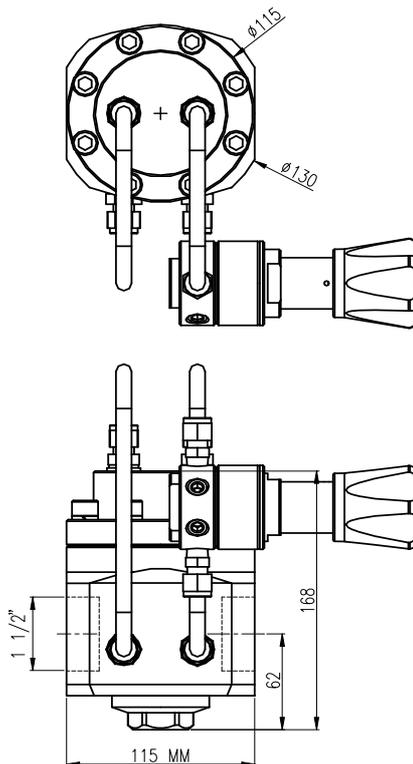
Max. pressure	: 70 bar, 250 bar, 400 bar
Set pressure range	: 0 – 70 bar, 0 – 250 bar
Seat diameter	: 19 mm
Cv (Kv)	: 7.3 (6.3)
Materials:	
• Body, Dome, Trim	: ss 316L
• Seat insert	: BD15: elastomer BD(X)H15: pctfe, peek
• Seals, Diaphragm	: elastomer
Connections:	
• Line	: 1½" bspp, npt flanges to DIN / ANSI
• Dome	: 2x ¼" bspp
• Gauge-, Pilot ports	: 2x ¼" bspp
Flange size:	: DIN DN40, ANSI 1½"
Weight:	: 10 kg (without flanges)
Temperature range	: -20 to + 80°C

CLEANING

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

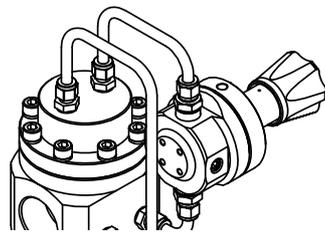
Do not use teflon tape or anaerobic sealing compounds on the pipe threads.

This is not a safety valve!

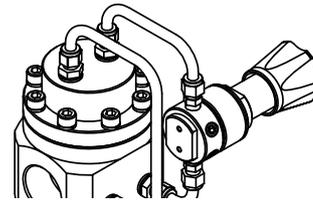


⚠ Swagelok regulators are not “Safety Accessories” as defined in the Pressure Equipment Directive 97/23/EC:

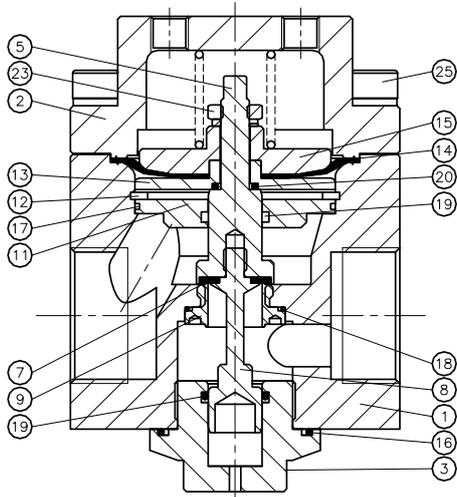
⚠ Do not use the regulator as a shut off device.



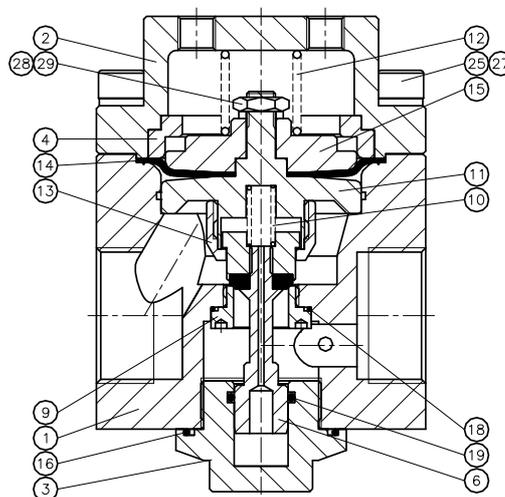
BD15 with LRS4



BDH15 with RS2



BD15



BDH15

GAUGEPORTS

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

ORDERING INFORMATION

example: BDHB15-02-NNK

BDH	B15		- 02	- N	N	K
series / inlet	connection	flange facing	body material	o-rings	diaphragm	seat
BD = 70 bar BDH = 250 bar BDXH = 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	N = nitrile E = epdm V = viton	N = nitrile E = epdm V = viton	BD: N = nitrile E = epdm V = viton BD(X)H: 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.

RHPS, Swagelok—TM Swagelok Company
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 Printed in U.S.A., OM
 June 2010, R0
 MS-02-412-E