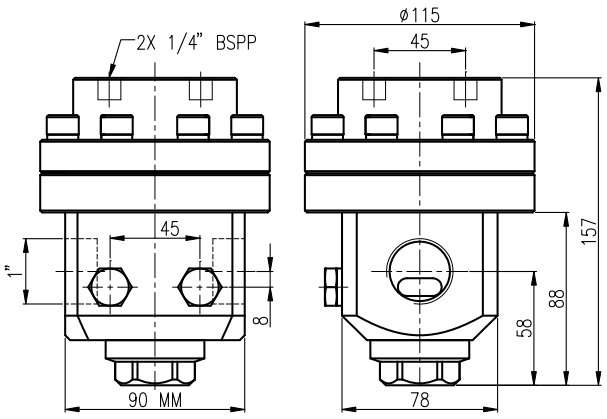
DOMELOADED BACKPRESSURE REGULATOR BD(H)10

HIGH FLOW • HIGH ACCURACY • COMPACT

MAIN FEATURES

- **ss 316L**
- **balanced valve**
- **wide flow range**
- **Cv 3.84**
- **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	: 14 mm
Cv (Kv)	: 3.84 (3.28)
Materials:	
• Body, Dome, Trim	: ss 316L
• Seat insert	: BD10: elastomer BD(X)H10: pctfe, peek
• Seals, diaphragm	: elastomer
Connections:	
• Line	: 1" bspp, npt flanges to DIN / ANSI
• Dome	: 2x ¼" bspp
• Gauge-, Pilot ports	: 2x ¼" bspp
Flange size	: DIN DN25, ANSI 1"
Weight	: 7,5 kg (without flanges)
Temperature range	: −20 to + 80°C

IMPROVED PERFORMANCE

To enhance the performance we advise to use a pilot regulator.

CLEANING

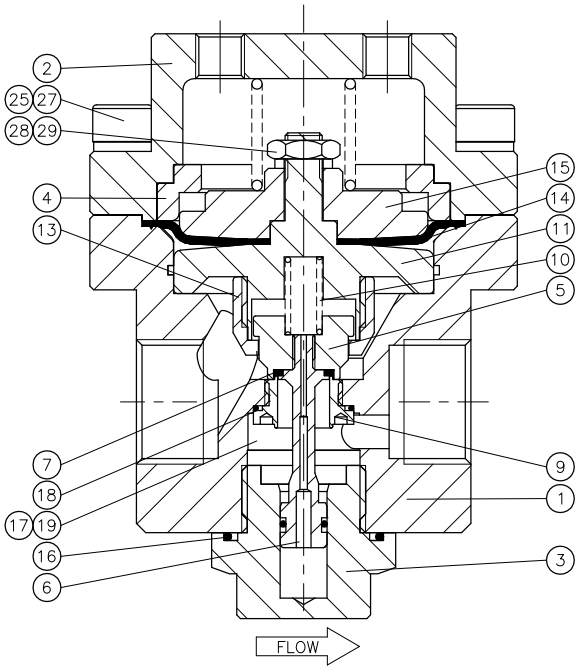
This regulator is ultrasonically cleaned and degreased.
Oxygen cleaning based on
ASTM-G93 Level C / CGA 4.1 is optional.

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

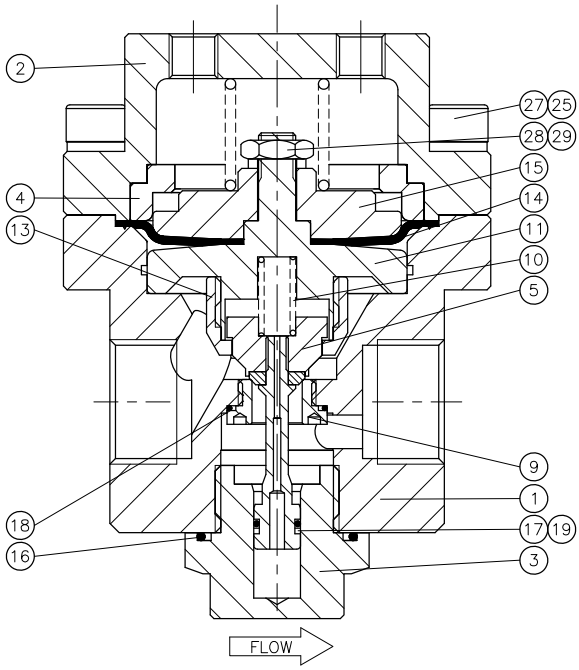
This is not a safety valve!

⚠ **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.**



BD10



BDH10

GAUGEPORTS

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: BDHB10-02-NNK-PR

BDH	B10		- 02	- N	N	K	- PR
series / inlet	**connection**	**flange facing**	**material**	**o-rings**	**diaphragm**	**seat**	**options**
BD = 70 bar **BDH** = 250 bar **BDXH** = 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	BD: **N** = nitrile **E** = epdm **V** = viton BD(X)H: **K** = pctfe **P** = peek	**PR** = pilot regulator

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.