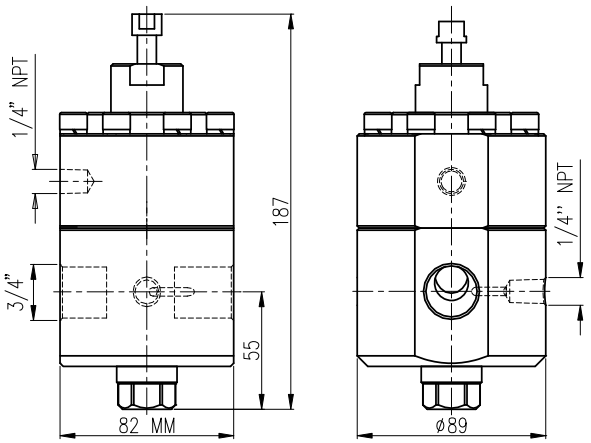
DIFFERENTIAL PRESSURE REGULATOR RD(H)6 DP

GASES • LIQUIDS • ACIDS • OILS

MAIN FEATURES

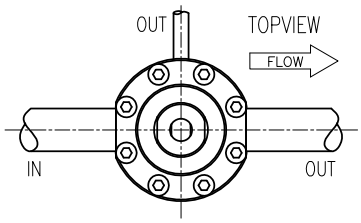
- **ss 316L**
- **adjustable bias**
- **balanced valve**
- **Cv 1.95**
- **bubble tight shut-off**
- **diaphragm sensing**
- **¼" npt outlet gaugeport**
- **choice of o-ring materials**
- **shell design according to EN 12516**
- **delivery according to PED**



CHARACTERISTICS

Inlet pressure	: 70 bar, 400 bar
Outlet ranges	: 0 – 70 bar, 0 – 230 bar
Bias range	: 1 – 10 bar
Ratio dome / outletpressure	: 1:1
Seat diameter	: 10 mm
Cv (Kv)	: 1.95 (1.66)
Materials:	
• Body & Trim	: ss 316L
• Dome	: ss 316L
• Seat insert	: RD6: elastomer RDH6: pctfe, peek
• Seals	: elastomer
Connections:	
• Line	: ¾" bspp, npt, flanges to DIN / ANSI B16.5
• Dome	: ¼" npt
• Outlet gauge	: ¼" npt
Weight	: 4,8 kg (without flanges)
Temperature range:	: -20°C to +80 °C *

PORTING STYLE



CLEANING

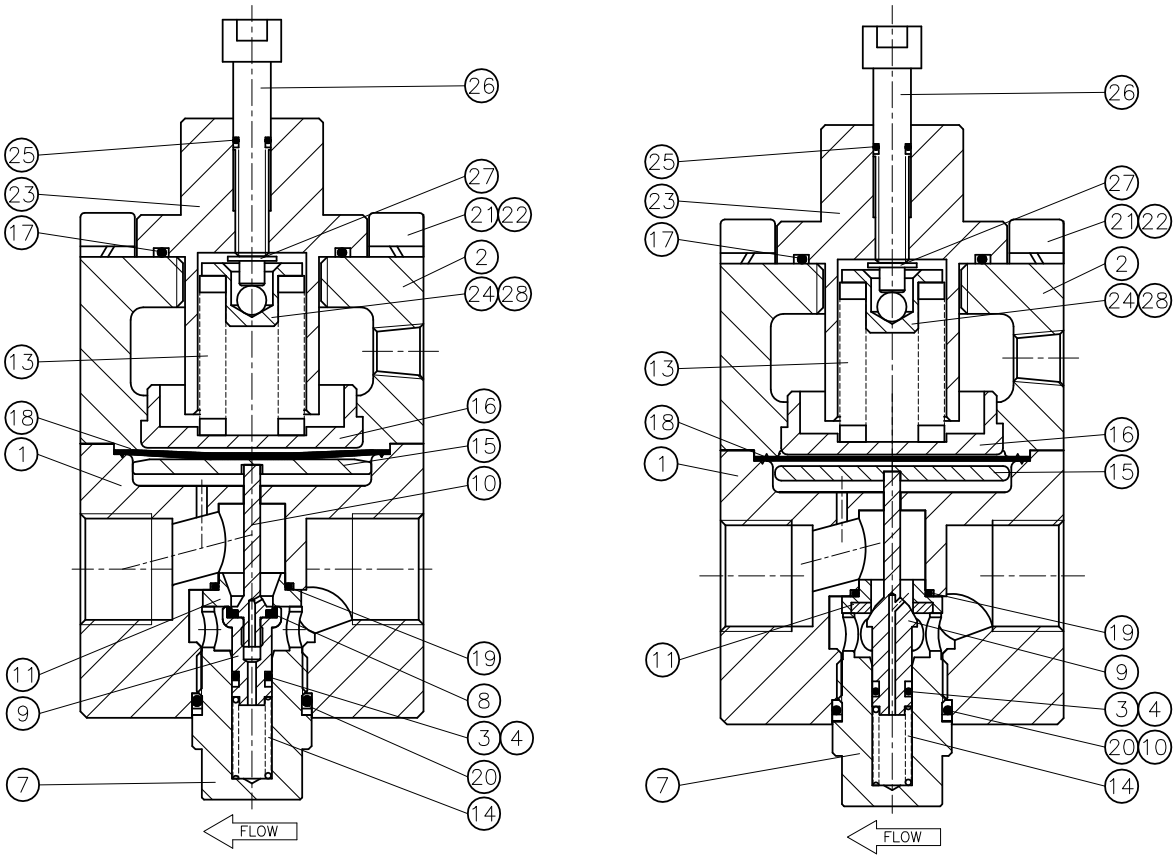
This regulator is ultrasonically cleaned and degreased.
Oxygen cleaning based on
ASTM-G93 Level C / CGA 4.1 is optional.

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.**



GAUGEPORT(S)

standard:

options:

GN2
(not in combination with flanges)

GN4

GN5
(not in combination with flanges)

ORDERING INFORMATION
example: **RDHB6-02-NNK-DP2**

RDH	B6		- 02	- N	N	K	- DP2	
series / inlet	**connection**	**flange facing***	**material**	**o-rings**	**diaphragm**	**seat**	**differential pressure**	**options**
RD = 70 bar **RDH** = 400 bar	**B6** = ¾" bspp **N6** = ¾" npt **ansi flanges** **FA6A** = ¾" class 150 **FA6B** = ¾" class 300 **FA6C** = ¾" class 600 **FA6E** = ¾" class 1500 **FD6F** = ¾" class 2500 **din flanges** **FD6M** = DN20 PN16 **FD6N** = DN20 PN40 **FD6P** = DN20 PN64 **FD6R** = DN20 PN250 **FD6S** = DN20 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	**DP2** = 1 - 3 bar bias **DP3** = 1 - 10 bar bias	**G*** = gauge port ***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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