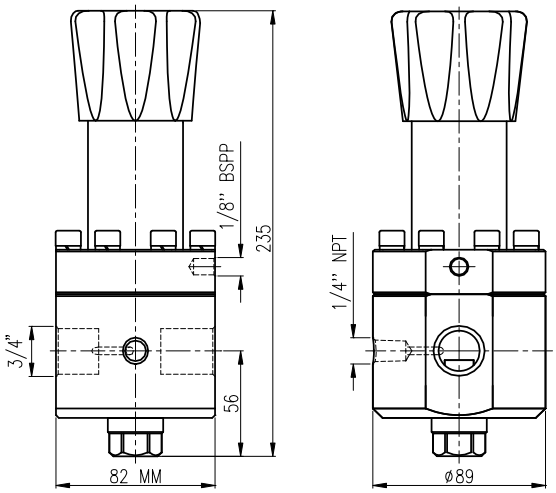
SPRINGLOADED BACKPRESSURE REGULATOR BS(H)6

GASES • WATER • ACIDS • OILS

MAIN FEATURES

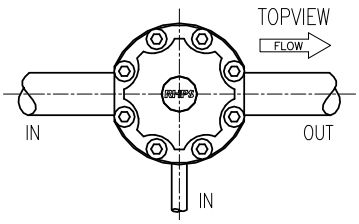
- **ss 316L**
- **diaphragm (0-14 bar) or piston sensing (0-360 bar)**
- **9 set pressure ranges**
- **bubble tight shut-off**
- **choice of o-ring materials**
- **shell design according to EN 12516**
- **delivery according to PED**



CHARACTERISTICS

Max. pressure	: 70 bar, 400 bar
Set pressure range	: 0 – 360 bar
Seat diameter:	: 5 mm : range 80-360 bar
	: 10 mm: range 0-80 bar
Cv (Kv):	: 5 mm : 0.49 (0.42)
	: 10 mm: 1.95 (1.66)
Materials:	
• Body & Trim	: ss 316L
• Spring housing	: ss 316L
• Seat	: pctfe, peek
• Seals & Diaphragm	: elastomer
Connections	: ¾" bspp, npt flanges to DIN / ANSI B16.5
Gauge port	: ¼" npt
Weight	: 4,5 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.

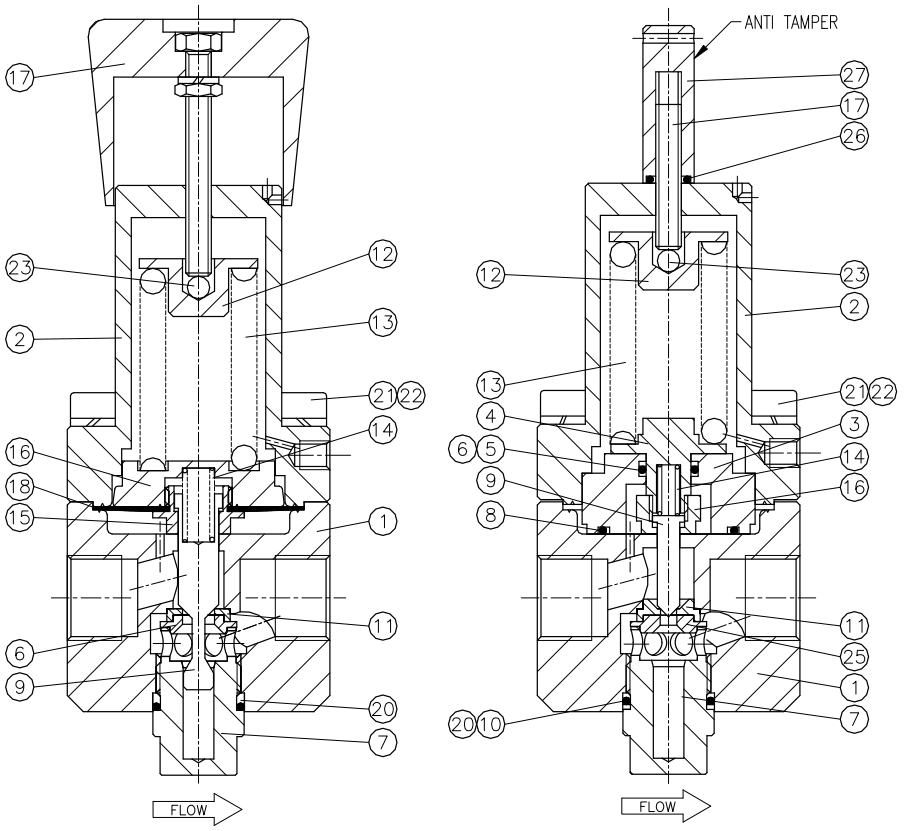
Do not use teflon tape or anaerobic sealing compounds on the bspp threads.

This is not a safety valve!

* 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.**



DIAPHRAGM SENSING PISTON SENSING

GAUGEPORT(S)

standard: **options:**

GN2
(not in combination with flanges)

GN1

GN5
(not in combination with flanges)

ORDERING INFORMATION

example:BSHB61-02-5-NNK-A

BSH	B6	1	- 02	- 5	- N	N	K	- A
series/inlet	connection	flange facing*	material	set pressure range	o-rings	diaphragm	seat	options
BS = 70 bar **BSH** = 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 **FA6F** = 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** = RJT	**02** = ss316L	***BS:*** *diaphragm sensing:* **1** = 0 – 3 bar **2** = 0 – 7 bar **3** = 0 – 14 bar *piston sensing:* **4** = 0 – 28 bar **5** = 0 – 40 bar ***BSH:*** diaphragm sensing: **1** = 0 – 3 bar **2** = 0 – 7 bar **3** = 0 – 14 bar *piston sensing:* **4** = 0 – 28 bar **5** = 0 – 40 bar **6** = 0 – 80 bar **7** = 0 – 150 bar **9** = 0 – 280 bar **11** = 0 – 360 bar	**N** = nitrile **E** = epdm **V** = viton	**N** = nitrile **E** = epdm **V** = viton *Piston o-rings* **N** = nitrile **E** = epdm **V** = viton	**K** = pctfe **P** = peek	**A** = anti-tamper **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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