

Springloaded Back-Pressure Regulator

Model – BBF25S

Description

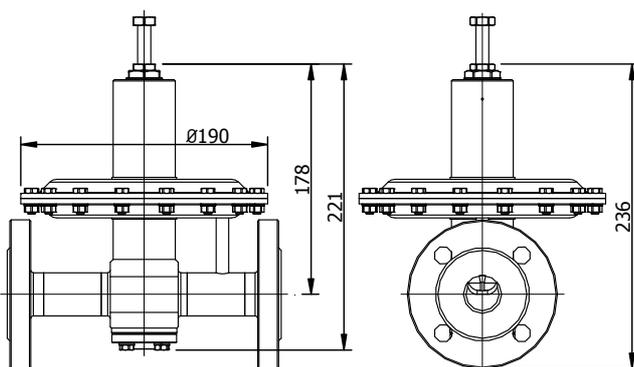
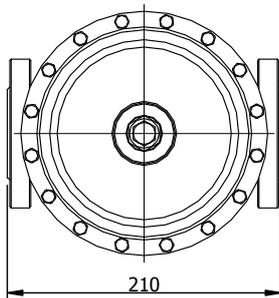
The BBF25S springloaded back-pressure regulator controls the supply pressure on the inlet side. When the supply pressure rises above the set pressure, the fluid starts flowing to the outlet side.

Specifications

Inlet pressure	6 bar max.
Adjustable	0-800 mbar
Connections	DN25 flanges EN 1092-1 or 1" flanges ASME B16.5
Seat diameter	17 mm

Fluids

This pressure regulator is suitable for gases.



Materials

The regulator is made out of barstock stainless steel material.

Body	ss 316L
Springhousing	ss 316L
Valve	ss 316L
Seat	NBR, FKM or EPDM
Setspring	ss 302
O-rings / diaphragm	NBR, FKM or EPDM

Other materials available on request.

All metal parts are marked with a traceable batch number. Material certificates are available on request.

Temperature

The general temperature range of the regulator is -50 / 200 °C, but could be limited due to the used sealing materials.

NBR seals	-35 / 130 °C
FKM seals	-20 / 200 °C
EPDM seals	-50 / 120 °C

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Technical details

- all regulators tested before delivery
- leak-tight seat design
- all parts cleaned and degreased
- PED classification SEP
- ATEX classification EXII 3GD

Although this regulator has a leak-tight seat, the regulator should not be used as a shut-off valve.

Spare parts kits are available for the regulator.

Adjusting the regulator

The regulator comes standard with a setscrew. Optional a locking cap can be supplied.

Options

Dutch Regulators supplies the regulators to your needs. When you have the need for special features or options, Dutch Regulators is the right address.

Design pressures

The regulator has a design pressure of 6 bar for the inlet side and outlet side of the regulator.

Depending on temperature or special wishes, the design pressure on the regulator could be different.

Typenumber explanation

Example : BBF25S – 6D50 – SSVV

model	design pressure	connections	adjustable	material	seat	seals	options
BBF25S	6 : 6 bar	D : DIN	50 : 10-50 mbar	SS SS 316L	N nitrile	N nitrile	L locking cap
		EN 1092-1	200 : 20-200 mbar				
		A : ASME B16.5	800 : 80-800 mbar				
					V viton	V viton	
					FKM	FKM	
					E EPDM	E EPDM	xxx codes for special option

All regulators are marked with an ID number, the exact configuration of the regulator is stored in this ID number. Always mention the ID number in case you need spare parts.