



SSV 8200

SSV 8300

Safety Shut-off Valve

The safety shut-off valve is designed for use in gas distribution and pressure regulation systems. The device protects the downstream pipe against over-pressure or low-pressure failure by automatically stopping the flow.

KEY BENEFITS

- » Accurate operation
- » Compact design
- » Easy maintenance

DESCRIPTION

The 8200 - 8300 series is a direct-acting safety shut-off valve, operated by a loading spring and a diaphragm control unit. It is fitted with an external manual reset.

Technical Features

Inlet pressure range	up to 10 bar
Over-pressure shut-off range	28 mbar to 5.6 bar
Under-pressure shut-off range	5 mbar to 2.7 bar
Accuracy class	AG 5 to AG 30
Operating temperature	-20°C to +60°C
Acceptable gases	Natural gas, propane, butane, air, nitrogen and all non-corrosive gases.

Sizes & Connections

Sizes	Rp 1
Type	Internal thread ISO 7-1

Materials

Body	Spheroidal graphite iron ISO 1083
Cover	Die cast aluminium
Internal parts	Stainless steel and brass

SPRING SELECTION TABLES

SSV 8200/8300

∅ 120 mm head (low pressure)

Over-pressure Shut-off springs

Spring Code	Spring Characteristic				Spring Range 8211 / 8212 / 8311 / 8312
	d (mm)	De (mm)	Lo (mm)	Lt	
20563022	1.5	25	35	5.5	28 - 60 mbar
20563023	1.7	25	35	5.5	40 - 100 mbar
20563014	1.9	25	35	5.5	60 - 140 mbar
20563124	2.2	25	35	5.5	130 - 260 mbar

Under-Pressure Shut-off Springs

Spring Code	d (mm)	De (mm)	Lo (mm)	Lt	8212 / 8312 Spring Range
20560522	0.7	10	20	7	5 - 12 mbar
20560511	0.8	10	20	7	10 - 25 mbar
20560515	0.8	10	30	10	20 - 35 mbar
20560518	0.9	10	30	10	32 - 45 mbar

SSV 8300

∅ 90mm and 90/TR head (medium and high pressure)

Over-pressure Shut-off springs

Spring Code	Spring Characteristic				Spring Range	
	d (mm)	De (mm)	Lo (mm)	Lt	(∅90) 8321-8322	(∅90/TR) 8331-8332
20565225	2	35	50	6	0.12 - 0.20 bar	•
20565125	2.5	35	50	6	0.20 - 0.46 bar	•
20565126	3	35	50	6	0.42 - 0.90 bar	0.65 - 1.70 bar
20565127	3.5	35	50	6	0.83 - 1.84 bar	1.25 - 3.00 bar
20565128	4	35	50	6	•	2.30 - 4.20 bar
20565129	4.5	35	50	6	•	3.60 - 5.60 bar

Under-Pressure Shut-off Springs

Spring Code	d (mm)	De (mm)	Lo (mm)	Lt	8322 Spring Range	8332 Spring Range
20561022	1.2	15	35	7.75	0.05 - 0.08 bar	•
20560815	1.3	15	35	8	0.06 - 0.10 bar	•
20561023	1.5	15	35	7.75	0.10 - 0.18 bar	•
20561024	1.8	15	35	7.5	0.15 - 0.37 bar	0.25 - 0.60 bar
20561121	2	15	35	7.25	0.32 - 0.75 bar	0.42 - 1.09 bar
20561122	2.5	15	35	7.25	•	1.08 - 2.70 bar

OVERALL DIMENSIONS (MM)

Model	A	B	C	D	E
8211/12-8311/12 (∅ 120)	130	175	55	120	40
8321/22-8331/32 (∅ 90 and ∅ 90 /TR)	130	195	55	90	40

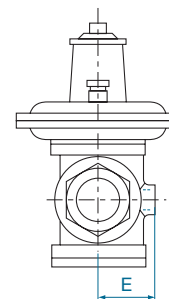
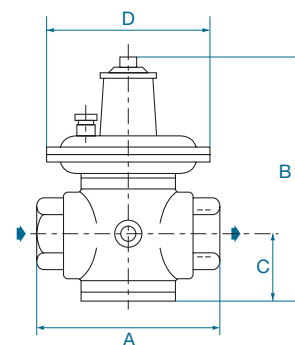
Series 8200: body length "A" is 100 mm.

Spring characteristics:

d: wire diameter Lo: height
De: external diameter Lt: no. of spires

Type Designation and Options

SSV	xx	x	x	Version
	82			13 mm orifice
	83			25 mm orifice
		1		∅ 120
		2		∅ 90
		3		∅ 90/TR
			1	OPSO
			2	OPSO + UPSO



SSV sensing line:
Rp ¼ with compression fitting DN 10

Information to be specified when ordering:

- » Model
- » Minimum inlet pressure
- » Maximum inlet pressure
- » Maximum flow rate
- » Kind of gas
- » Quantity required
- » Calibration level for intervention of the OPSO and UPSO (if requested)

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