

## AIR FILTER / REGULATOR Stainless Steel

FIRST NAME IN PNEUMATICS

### SB27 (G ¼, G ½)

#### FEATURES

- Shavo's' Filter-Regulator Model SB27 is designed as a high-performance product for instrument air use in corrosive atmospheres.
- Applications include marine environments, oil and gas production, chemicals and food processing, medical analysis etc.
- Metallic parts meet NACE standard MR-01 75\*

(\*National Association of Corrosion Engineers MR-01 75 defines requirements for sulphide stress cracking resistant materials used in oilwells and other corrosive environments.)



PARAMETERS	SPECIFICATIONS
Fluid	Compressed Air
Pipe Sizes	1/4", 1/2"
Port Thread	NPT - Standard BSPT, BSP Optional
Max. Inlet Pressure	30 kg/Sq.cm
Operating Temp. Range	-20 to +80°C (for Nitrile Elastomer) -20 to +180°C (for Viton Elastomer) -50 to +120°C (for EPDM Elastomer)
Particle Removal	25 micron - std 5 micron - optional
Filter Element Material	SS 316 - Standard Porous Plastic /Sintered Bronze-optional
Material of Construction : Body, Bonnet, Bowl, Trim, Drain Valve, Pr. Adj. Screw, Nut, Springs, Louvre, Baffle.	STAINLESS STEEL PER AISI 316 AND NACE MR 0175
Diaphragm Assembly	Synthetic Rubber with PTFE Protection
Elastomers	NITRILE - Standard EPDM, VITON - Optional
Standard Nominal Flow Rate (At supply pr. of 10 bar and 1 bar drop in sec. Pr. of 6 bar)	20 dm <sup>3</sup> /sec (42 scfm)
Bowl Capacity	160 ml
Drain	Manual -Std Auto :Optional
Type	Relieving - Standard NonRelieving - Optional
Pressure Adjustment	Adjusting Screw (M12) With Lock-Nut
Regulated Sec. Pr. Ranges	1.0 to 10.0 kg/sq.cm - Standard 0.40 to 4.00 kg/sq.cm - Optional 0.87 to 8.75 kg/sq.cm - Optional 1.75 to 17.5 kg/sq.cm - Optional
Gauge Port (2 nos.)	1/4" BSPT (Fe) - Std. 1/4" NPT (Fe) - Optional
Mounting	Panel Mount Threading - Available P.M. NUT - Optional Wall Mounting Bracket - Optional
Weight	1/4" size : 2.75 Kgs 1/2" size : 3.25 Kgs

Note: For optional versions please contact Sales H.Q.

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## SB27 (G 1/4, G 1/2)

### Option Selector

Sample Model Number → **S B 2 7 - 2 0 0 - M G L A - N**

Position → **0 1 2 3 - 4 5 6 - 7 8 9 10 - 11**

**0** S = Shavo

**1** Product Filter Regulator Combination Unit

**2 3** Series Midi Series - All SS 316 Unit

**4** Port Size  
2 = 1/4"  
4 = 1/2"

**5 6** Options

	NITRILE ELASTOMER		EPDM ELASTOMER		VITON ELASTOMER	
	REL	NON REL	REL	NON REL	REL	NON REL
No Gauge	00	10	01	11	02	12
With Gauge (SS)	21	31	22	32	23	33

**7** Drain  
M = Manual  
A = Automatic

**8** Filter Element

	Plastic	Sintered Bronze	S.S. 316
5 micron	1	4	7
25 micron	2	5	8
50 micron	3	6	9

**9** Sec. Pr. Range

F	0.4 to 4.0 kg/cm <sup>2</sup>
L	0.87 to 8.75 kg/cm <sup>2</sup>
M	1.0 to 10.0 kg/cm <sup>2</sup>
S	1.75 to 17.5 kg/cm <sup>2</sup>

**10** Port Thread

	Main Port	Gauge Port
A	NPT	BSPT
B	BSPT	BSPT
G	BSP	BSPT
N	NPT	NPT

**11** Mounting  
M = Panel Mounting Nut Fitted  
N = No Mounting Bracket  
B = Wall Mounting Bracket Fitted (SS)  
P = 2" Pipe Mounting Bracket Fitted (SS)  
S = Customer Special Bracket Fitted (SS)

