

SB67 (G 1/2, G 3/4)

Features

- Shavo's Filter/Regulator combination model SB67 unit for process control is designed as a high-performance product for instrument air use in corrosive atmosphere.
- Applications include marine environments, oil and gas production, chemicals and food processing, medical analysis etc.
- CE, ATEX, EAC [CU TR10(equivalent to GOST R&K)] approved.

(*National Association of Corrosion Engineers MR-0175 defines requirements for sulphide stress cracking resistant materials used in oilwells and corrosive environments).

PARAMETERS	SPECIFICATIONS
Fluid	Compressed Air
Pipe size	1/2", 3/4"
Port Thread	NPT - Standard BSPT, BSP - Optional
Max. Inlet Pressure	30 bar (435 psi)
Max. Operating Temp. (Ambient)	+80° C
Filter Element Size	25 micron - Standard 5, 40 micron - Optional
Filter Element Material	SS 316 - Std. Sintered Bronze/Plastic - Optional
Material of Construction	Stainless Steel as per AISI 316L
Body, Bonnet, Bowl	SS 316L with NACE compliance (MR 0175)
Internal parts	SS 316L/ SS 304
External parts	SS 316L with NACE compliance (MR 0175)
Diaphragm Assembly	Synthetic Rubber with PTFE - Standard
Elastomers	Nitrile (NBR) -20°C to +80°C EPDM -35°C to +120°C(Std) Fluorocarbon (Viton-FKM) -20°C to +180°C Fluorosilicone (FVMQ) -50°C to +160°C
Bowl Capacity	160 ml.
Regulated secondary pressure ranges	1.0 to 10.0 bar (15.0 - 150 psi) - Standard 0.4 to 4.0 bar (6.0 - 60 psi) - Optional 0.21 to 2.10 bar (3.0 - 30 psi) - Optional 0.86 to 8.6 bar (12.5 - 125 psi) - Optional 1.70 to 17.5 bar (25 -250 psi) - Optional
Standard Nominal Flow Rate at 10 bar (150psi)inlet pressure 6 bar (87 psi) set pr. and a drop of 1 bar(14.5 psi)from set	1/2" - 192 scfm (91 dm3/sec) 3/4" - 340 scfm (162 dm3/sec)
CV Value	1/2" - (3.62) 3/4" - (6.42)
Drain	Manual - Standard
Type	Relieving - Standard Non-Relieving - Optional
Pressure Adjustment	Hex Headed Adjusting screw - Standard 'T' handle - Optional
Gauge Port (2 nos.)	1/4"BSPT (Fe) - Standard 1/4" NPT (Fe) - Optional
Mounting	P.M. NUT - Standard Wall Mounting Bracket - Optional
Weight	3.0 Kgs.

Note :

- Pressure gauge will be SS 2" dia 1/8" BC but will not be to NACE specification.
- PM nut, mounting bracket will not be to NACE specification.
- Pressure Gauge will not be ATEX approved.
- Maximum operating pressure range : 10 bar for Fluorosilicone (FVMQ) elastomer.

Size	Flow (scfm)	Element (um)	Drain	Bowl	Range (psi)	Operation	Model
G1/2"	192 scfm (91 dm ³ /sec)	25 SS	Manual	Metal	15 - 150 psi	Relieving	SB67-401-M8MA-NAH
G3/4"	340 scfm (162 dm ³ /sec)	25 SS	Manual	Metal	15 - 150 psi	Relieving	SB67-601-M8MA-NAH



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Option Selector

Sample Model Number → **S B 6 7 - 4 0 0 - M 7 L A - N H A**

Position → **0 1 2 3 - 4 5 6 - 7 8 9 10 - 11 12 13**

0 S = Shavo

1 Product B = Filter Cum Regulator Combination Unit

2 3 Series 67 = SS 316L (MOC)

4 Port Size 4 = 1/2"
6 = 3/4"

	NITRILE ELASTOMER		EPDM ELASTOMER		VITON ELASTOMER		Fluorosilicone ELASTOMER	
	REL	NON REL	REL	NON REL	REL	NON REL	REL	NON REL
No Gauge	[00]	[10]	01	11	[02]	[12]	[03]	[13]
With Gauge(SS316) (without ATEX approved)	[21]	[31]	22	32	[23]	[33]	[24]	[34]

7 Drain M = Manual

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

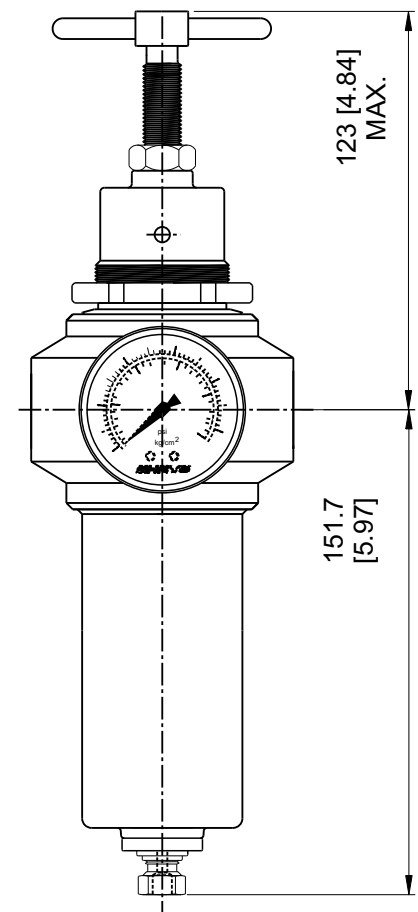
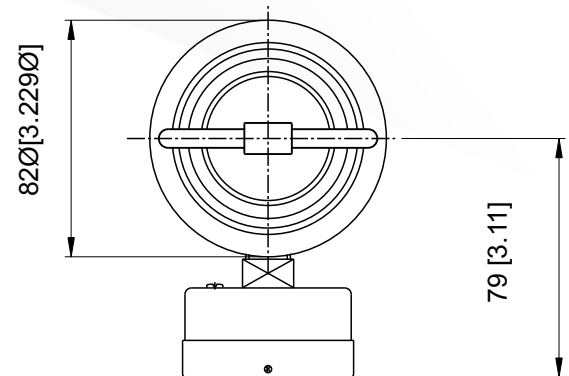
9 Sec.Pr.Range
C = 0.21 - 2.10 bar (3.0 - 30 psi)
F = 0.40 - 4.0 bar (6.0 - 60 psi)
L = 0.86 - 8.60 bar (12.5 - 125 psi)
M = 1.0 - 10.0 bar (15.0 - 150 psi)
*[S] = 1.70 - 17.5 bar (25.0-250 psi)

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

11 Mounting	N	No Mounting Bracket	 STANDARD	 2" PIPE
	B	Wall Mounting Bracket Fitted (SS316)		
	P	2" Pipe Mounting Bracket Fitted(SS316)		

12 Pr.adjustment
H = Hex Headed Screw (SS316L)
T = 'T' handle (SS316L)

13 Test
A = ATEX approved.
O = Other Customer Special requirement, if any



* Panel mounting nut is standard on all SB67 units (SS316)
Options shown in [] bracket are special. Please consult manufacturing.
*[S] option available with hex headed adjusting screw only.