

FILTER REGULATOR MODEL SB67 1.15 BROCHURE



Filter Regulator Model SB67 1.15

SB67 (G 1, G 1½)

FEATURES

- Filter/Regulator combination 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.
- SIL3 capable as per IEC 61508.
- CE, ATEX, EAC Ex (CUTR 12), EAC(CUTR 10) approved.
- All External parts are NACE MR 0175* 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", 1½"
Pipe 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 5,40/50 micron - Optional
Filter Element Material	SS 316 - Std.
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
Elastomer	Low Temp. Nitrile (LNBR) -60°C to +80°C (Std) EPDM -35°C to +120°C Fluorocarbon (Viton-FKM) -20°C to +180°C
Bowl Capacity	425 ml.
Regulated secondary pressure ranges	1.0 to 10.0 bar (15.0 - 150 psi) - Standard 0.21 to 2.10 bar (3.0 - 30 psi) - Optional 0.4 to 4.0 bar (6.0 - 60 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" - 500 scfm (236 dm3/sec) 1½" - 525 scfm (248 dm3/sec) 2" - 550 scfm (260 dm3/sec)
CV Value	1" - (9.40) 1½" - (9.90) 2" - (10.37)
Drain	Manual - Standard
Regulator 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
Gauge size (dial size)	50 mm (Nominal)
Mounting	P.M. NUT - Standard Wall Mounting Bracket - Optional
Weight	6.3 Kgs.

+Values indicated are with 40 micron elements, with finer elements these values will be lower.



Note :

1) Pressure gauge will not have CE, EAC, SIL3 and NACE MR 0175 approval.

2) Pressure gauge will have ATEX approval.

3) PM nut, mounting bracket, grub screw will not have NACE MR 0175 approval.

Filter Regulator Model SB67 1.15

SB67 (G 1, G 1½)

Size	Flow (scfm)	Element (um)	Drain	Bowl	Range (psi)	Operation	Model
G 1	350 scfm (167 dm3/sec)	40	Manual	Metal	12 - 125 psi	Relieving	SB67-800-M8LA-NHA
G 1½	350 scfm (167 dm3/sec)	40	Manual	Metal	12 - 125 psi	Relieving	SB67-B00-M8LA-NHA

Filter Regulator Model SB67 1.15

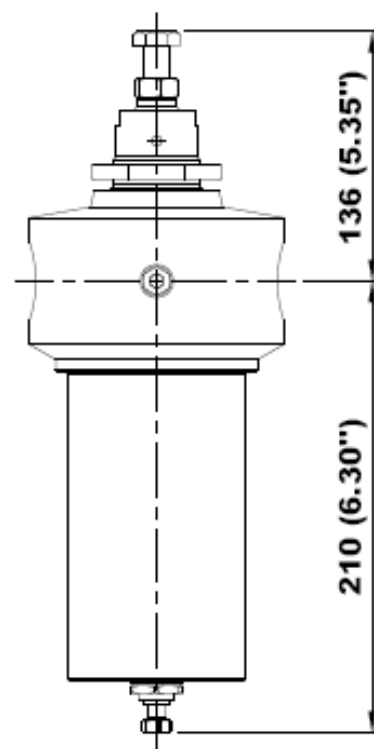
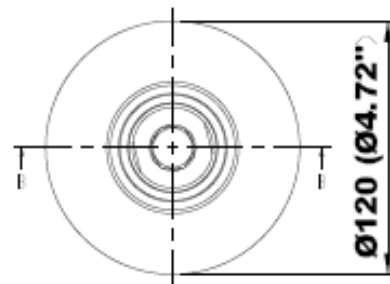
SB67 (G 1, G 1½)

Option Selector

Sample Model Number → **S B 6 7 - 8 0 0 - M 7 L A - N T - X X X - X X X**

Position → **0 1 2 3 - 4 5 6 - 7 8 9 10 - 11 12 - 13 14 15 - 16 17 18**

0		S = Shavo																									
1	Product	B = Filter Cum Regulator Combination Unit																									
2	3	Series	67 = Large Series all SS 316L unit																								
4	Port Size	8 = 1" B = 1½" C = 2"																									
5	6	Options	<table><tr><td></td><td colspan="2">Low Temp.Nitrile ELASTOMER</td><td colspan="2">EPDM ELASTOMER</td><td>VITON ELASTOMER</td></tr><tr><td></td><td>REL</td><td>NON REL</td><td>REL</td><td>NON REL</td><td>REL</td></tr><tr><td>No Gauge</td><td>80</td><td>90</td><td>[20]</td><td>[30]</td><td>[40]</td></tr><tr><td>With Gauge(SS316) (with ATEX approved)</td><td>81</td><td>91</td><td>[21]</td><td>[31]</td><td>[41]</td></tr></table>		Low Temp.Nitrile ELASTOMER		EPDM ELASTOMER		VITON ELASTOMER		REL	NON REL	REL	NON REL	REL	No Gauge	80	90	[20]	[30]	[40]	With Gauge(SS316) (with ATEX approved)	81	91	[21]	[31]	[41]
	Low Temp.Nitrile ELASTOMER		EPDM ELASTOMER		VITON ELASTOMER																						
	REL	NON REL	REL	NON REL	REL																						
No Gauge	80	90	[20]	[30]	[40]																						
With Gauge(SS316) (with ATEX approved)	81	91	[21]	[31]	[41]																						
7	Drain	M = Manual																									
8	Filter Element	7 = 05 micron SS316 8 = 25 micron SS316 9 = 40 micron SS316																									
9	Sec. Pr. Range	C = 0.21 to 2.10 bar (3.0 - 30 psi) F = 0.4 to 4.0 bar (6.0 - 60 psi) L = 0.86 to 8.6 bar (12.5 - 125 psi) M = 1.0 to 10.0 bar (15.0 - 150 psi) *[S] = 1.70 to 17.5 bar (25 - 250 psi)																									
10	Port Thread	<table><tr><td></td><td>Main Port</td><td>Gauge Port</td></tr><tr><td>A</td><td>NPT</td><td>BSPT</td></tr><tr><td>B</td><td>BSPT</td><td>BSPT</td></tr><tr><td>G</td><td>BSP</td><td>BSPT</td></tr><tr><td>N</td><td>NPT</td><td>NPT</td></tr></table>		Main Port	Gauge Port	A	NPT	BSPT	B	BSPT	BSPT	G	BSP	BSPT	N	NPT	NPT										
	Main Port	Gauge Port																									
A	NPT	BSPT																									
B	BSPT	BSPT																									
G	BSP	BSPT																									
N	NPT	NPT																									
11	Mounting & Accessories	N = No MTG. bracket B = Wall bracket Fitted(S.S.316)																									
12	Pressure Adjustment	H = Hex Headed Screw (SS 316L) T = 'T' Handle (SS 316L)																									



Filter Regulator Model SB67 1.15

SB67 (G 1, G 1½)

13 14 15 Test / Approval

A	0	0	ATEX
A	0	1	UKEX
A	0	2	UKCA
A	0	3	ATEX, UKEX, EAC Ex, UKCA
A	0	4	ATEX, UKEX, EAC Ex
A	0	5	ATEX, UKEX, UKCA
A	0	6	ATEX, UKEX, EAC Ex
B	0	0	ATEX, CE
B	0	1	ATEX, CE, UKEX, EAC Ex, UKCA
B	0	2	ATEX, CE, UKEX, EAC Ex
B	0	3	ATEX, CE, UKEX, UKCA
B	0	4	ATEX, CE, UKCA, EAC Ex
B	0	5	ATEX, CE, EAC Ex
C	0	0	CE
C	0	1	CE, UKEX, EAC Ex, UKCA
C	0	2	CE, UKEX, EAC Ex
C	0	3	CE, UKEX, UKCA
C	0	4	CE, EAC Ex, UKCA
C	0	5	CE, EAC Ex
D	0	0	ATEX, EAC
D	0	1	ATEX, EAC, UKEX, EAC Ex, UKCA
D	0	2	ATEX, EAC, UKEX, EAC Ex
D	0	3	ATEX, EAC, UKEX, UKCA
D	0	4	ATEX, EAC, EAC Ex, UKCA
E	0	0	EAC
E	0	1	EAC, UKEX, EAC Ex, UKCA
E	0	2	EAC, UKEX, EAC Ex
E	0	3	EAC, UKEX, UKCA
E	0	4	EAC, EAC Ex, UKCA
F	0	0	ATEX, SIL3
F	0	1	ATEX, SIL3, UKEX, EAC Ex, UKCA
F	0	2	ATEX, SIL3, UKEX, EAC Ex
F	0	3	ATEX, SIL3, UKEX, UKCA
F	0	4	ATEX, SIL3, EAC Ex, UKCA
F	0	5	ATEX, SIL3, EAC Ex
G	0	0	CE, EAC
G	0	1	CE, EAC, UKEX, EAC Ex, UKCA
G	0	2	CE, EAC, UKEX, EAC Ex
G	0	3	CE, EAC, UKEX, UKCA
G	0	4	CE, EAC, EAC Ex, UKCA
H	0	0	CE, SIL3
H	0	1	CE, SIL3, UKEX, EAC Ex, UKCA
H	0	2	CE, SIL3, UKEX, EAC Ex
H	0	3	CE, SIL3, UKEX, UKCA
H	0	4	CE, SIL3, EAC Ex, UKCA
H	0	5	CE, SIL3, EAC Ex
J	0	0	EAC, SIL3
J	0	1	EAC, SIL3, UKEX, EAC Ex, UKCA
J	0	2	EAC, SIL3, UKEX, EAC Ex
J	0	3	EAC, SIL3, UKEX, UKCA
J	0	4	EAC, SIL3, EAC Ex, UKCA
K	0	0	CE, EAC, SIL3

Filter Regulator Model SB67 1.15

SB67 (G 1, G 1½)

K	0	1	CE, EAC, SIL3, UKEX, EAC Ex, UKCA
K	0	2	CE, EAC, SIL3, UKEX, UKCA
K	0	3	CE, EAC, SIL3, UKEX, EAC Ex
K	0	4	CE, EAC, SIL3, EAC Ex, UKCA
L	0	0	ATEX, EAC, SIL3
L	0	1	ATEX, EAC, SIL3, UKEX, EAC Ex, UKCA
L	0	2	ATEX, EAC, SIL3, UKEX, EAC Ex
L	0	3	ATEX, EAC, SIL3, UKEX, UKCA
L	0	4	ATEX, EAC, SIL3, EAC Ex, UKCA
M	0	0	ATEX, CE, SIL3
M	0	1	ATEX, CE, SIL3, UKEX, EAC Ex, UKCA
M	0	2	ATEX, CE, SIL3, UKEX, EAC Ex
M	0	3	ATEX, CE, SIL3, UKEX, UKCA
M	0	4	ATEX, CE, SIL3, EAC Ex, UKCA
N	0	0	ATEX, CE, EAC
N	0	1	ATEX, CE, EAC, UKEX, EAC Ex, UKCA
N	0	2	ATEX, CE, EAC, UKEX, EAC Ex
N	0	3	ATEX, CE, EAC, UKEX, UKCA
N	0	4	ATEX, CE, EAC, EAC Ex, UKCA
[O]	[0]	[0]	Other customer special requirement if Any
P	0	0	ATEX, CE, EAC, SIL3
P	0	1	ATEX, CE, EAC, SIL3, UKEX, EAC Ex, UKCA
P	0	2	ATEX, CE, EAC, SIL3, UKEX, EAC Ex
P	0	3	ATEX, CE, EAC, SIL3, UKEX, UKCA
P	0	4	ATEX, CE, EAC, SIL3, EAC Ex, UKCA
Q	0	0	ATEX, EAC Ex
R	0	0	EAC Ex
R	0	1	EAC Ex, UKEX, UKCA
R	0	2	EAC Ex, UKCA
S	0	0	SIL3
S	0	1	SIL3, UKEX, EAC Ex, UKCA
S	0	2	SIL3, UKEX, EAC Ex
S	0	3	SIL3, UKEX, UKCA
S	0	4	SIL3, EAC Ex, UKCA
V	0	0	ATEX, CE, SIL3, EAC Ex
V	0	1	ATEX, CE, SIL3, EAC Ex, UKEX, UKCA
V	0	2	ATEX, CE, SIL3, EAC Ex, UKEX
V	0	3	ATEX, CE, SIL3, EAC Ex, UKCA
X	X	X	STANDARD UNITS WITHOUT ANY CERTIFICATE / APPROVAL
Y	0	0	ATEX, SIL3, EACEx
y	0	1	ATEX, SIL3, EACEx, UKEX, UKCA
Y	0	2	ATEX, SIL3, EAC Ex, UKEX
Y	0	3	ATEX, SIL3, EACEx, UKCA
Z	0	1	CE, SIL3, EAC Ex, UKEX, UKCA
Z	0	2	CE, SIL3, EAC Ex, UKEX
Z	0	3	CE, SIL3, EAC Ex, UKCA

Filter Regulator Model SB67 1.15

SB67 (G 1, G 1½)

16 17 18 Compliance

X	X	X	Standard Unit Without any Compliance
A	0	1	RoHS 3 Compliance
A	0	2	REACH Compliance
A	0	3	Copper Free (Only Applicable Aluminium Version)
A	0	4	RoHS3, REACH Compliance
A	0	5	RoHS3, REACH, Copper Free (Only Applicable for Aluminium Version)
A	0	6	RoHS3, Copper Free (Only Applicable for Aluminium Version)
A	0	7	REACH, Copper Free (Only Applicable for Aluminium Version)

Note : Option shown in the [] bracket are special, Please contact Sales HQ/Manufacturing.
*[S] option available with hex headed adjusting screw.



Manderlay House
Manderlay Gardens
Emley
West Yorkshire
HD8 9TY

Email: enquiries@part-hunter.co.uk