

AIR FILTER / REGULATOR - MINIATURE

SHAVO
FIRST NAME IN PNEUMATICS

SB07 (G 1/8, G 1/4)

FEATURES

- I Shavo's Miniature Series Air Filter/Regulator combination unit saves money, saves space.
- I Wide choice of Secondary Pressures and filter element.
- I Rust-free Zinc Pressure Die Cast body powder - coated for longer life.
- I Also optional metal (non-transparent) bowl.



PARAMETERS	SPECIFICATIONS	
Pipe Threads	G 1/8, 1/4 Parallel (F)	- Standard
	BSPT _r /NPT	- Optional
Body Material	Zinc Alloy die-cast	
Filter Element Size	5, 25, 40 micron.	
Filter Element Material	Plastic (Polypropylene)	- Standard
	Sintered Bronze	- Optional
Bowl Material	Transparent Polycarbonate	- Standard
	Metal Zinc diecast	- Optional
Maximum Inlet Pressure	with PC Bowl (Manual/Auto drain)	: 150 psig (10.5 bar)
	with Metal Bowl (Manual drain)	: 250 psig (17.5 bar)
	with Metal Bowl (Automatic drain)	: 150 psig (10.5 bar)
Max. Operating Temp. (ambient)	with PC Bowl	: 50°C (125°F)
	with Metal Bowl	: 80°C (175°F)
Drain	Manual	- Standard
	Automatic	- Optional (operates only on flow change)
Regulator Type	Relieving	- Standard
	Non-Relieving	- Optional
Pressure Adjustment	Non-rising plastic knob	
Regulated secondary outlet pressure (spring range) and recommended Pressure gauge ranges available in kg/cm ²)	Spring Range	Gauge Range
	1-10 psi (0.07-0.70 bar)	0-35 psi (0 - 2.5 bar)
	3-30 psi (0.21-2.10 bar)	0-35 psi (0 - 2.5 bar)
	5-50 psi (0.35-3.50 bar)	0-60 psi (0 - 4.0 bar)
	10-100 psi (0.70-7.0 bar)	0-150 psi (0-10.0 bar)
	15-150 psi (1.00-10.0 bar)	0-220 psi (0-16.0 bar)
Standard Nominal Flow Rate at 10 bar (150 PSI)	1/8"	: 18 scfm (8.4 dm ³ /sec) CV(0.30)
Inlet pressure 6 bar (87 PSI) set pressure and a drop of 1 bar (14.5 PSI) from set	1/4"	: 19 scfm (9.0 dm ³ /sec) CV(0.35)
Gauge size	40 mm (dial size)	
Gauge Port size	Rc 1/8	
Gauge connection	Back	
Mounting Bracket	Optional	
Panel mounting	Standard - Available	

Pressure Gauge (scale) : Kg/cm² (PSI) - Standard (For Domestic Market)

Bar (PSI) - Standard (Export)

Note : Pressure gauge will not have the CE, EAC, SIL3 approval.

Automatic Drain and Semi-Automatic drain available with Nitrile Elastomer Only .

* Technical know-how, design and drawings originally from C.A. Norgren Co. USA

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Size	Flow (scfm)	Element (um)	Drain	Bowl	Range (psi)	Operation	Model
G 1/8	18 scfm (8.4 dm ³ /sec)	25	Auto Manual	Transparent	0 - 7	Relieving	SBO7-100-A2KC SBO7-100-M2KC
G 1/4	19 scfm (9.0 dm ³ /sec)	25	Auto Manual	Transparent	0 - 7	Relieving	SBO7-200-A2KC SBO7-200-M2KC

Option Selector

Sample Model Number →

S B O 7 - 2 0 0 - M 3 K B - X X X - X X X

Position →

0 1 2 3 - 4 5 6 - 7 8 9 10 - 11 12 13 - 14 15 16

0

S = Shavo

1 Unit

B = Filter / Regulator

2 3 Series

07 = Miniature Series

4 Pipe Size

1 = 1/8"
2 = 1/4"

5 6 Bowl

Material of Construction			Nitrile Elastomer				[EPDM Elastomer]				[Viton Elastomer]				[Low Temp.Nitrile]			
			Relieving		Non-Rel		Relieving		Non-Rel		Relieving		Non-Rel		Relieving		Non-Rel	
Body	Bonnet	Bowl	No Gauge	With Gauge	No Gauge	With Gauge	No Gauge	With Gauge	No Gauge	With Gauge	No Gauge	With Gauge	No Gauge	With Gauge	No Gauge	With Gauge	No Gauge	With Gauge
Zinc Diecast	Plastic	PC	00	21	22	23	[30]	[52]	[51]	[53]	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]
Zinc Diecast	Plastic	Zinc Diecast	24	25	26	27	[54]	[55]	[56]	[57]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]

7 Drain

M = Manual Drain
A = Automatic Drain (available with Nitrile elastomers only, operates only on flow change)

8 Filter Element

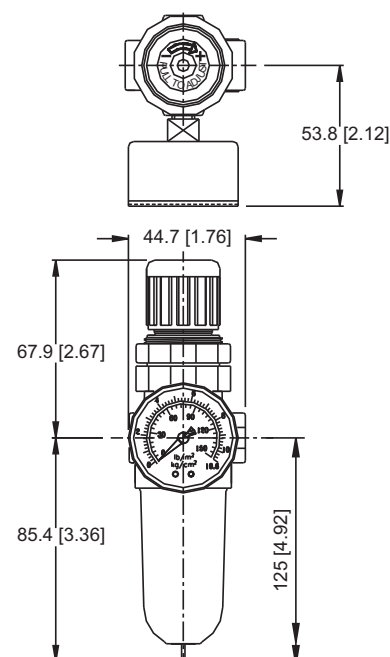
Size	Micron	5	25	40
Porous Plastic		1	2	3
Sintered Bronze		6	7	8

9 Secondary Pressure Rating

A = 1-10 psi (0.07 to 0.7 kg/cm²)
C = 3-30 psi (0.21 to 2.1 kg/cm²)
E = 5-50 psi (0.35 to 3.5 kg/cm²)
K = 10-100 psi (0.70 to 7.0 kg/cm²)
M = 15-150 psi (1.00 to 10.0 kg/cm²)

10 Threading

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



SB07 (G 1/8, G 1/4)

11 12 13 Test / Approval

C	0	0	CE
C	0	1	UKCA
C	0	2	CE,UKCA
E	0	0	EAC
E	0	1	EAC, UKCA
S	0	0	SIL3
S	0	1	SIL3, UKCA
G	0	0	CE, EAC
G	0	1	CE, EAC, UKCA
H	0	0	CE, SIL3
H	0	1	CE, SIL3, UKCA
K	0	0	CE, EAC, SIL3
K	0	1	CE, EAC, SIL3, UKCA
X	X	X	Standard Units Without Any Certificatio / Approval
[O]	[0]	[0]	Other Customer Special Requirement if Any

14 15 16 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.

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