

AIR FILTER / REGULATOR - Plug - In

FIRST NAME IN PNEUMATICS

SB13 - with plastic knob adjustment.

SA13 - with metal 'T' handle - optional

(G 1/4, G 3/8, G 1/2, G 3/4, G 1)

FEATURES

- Shavo's foremost general application combination type Filter/ Regulator
- Rigid Yoke available for immediate installation in the compressed air pipeline system.
- Adjusting knob has 'snap-action lock' for pressure setting.
- Innovative Plug-in-Design permits units to be removed from the line for extremely rapid servicing or replacement without disturbing pipework.



PARAMETERS	SPECIFICATIONS	
Pipe Threads	G 1/4, 3/8, 1/2, 3/4, 1	Parallel (F) - Standard BSPT. / NPT - Optional
Body Material	Al. Alloy die-cast	
Filter Element Size	5, 25, 50 micron.	
Filter Element Material	Plastic (Polypropylene) - Standard Sintered Bronze - Optional	
Filter Bowl Material	Transparent Polycarbonate - Standard Al. Alloy Metal with sight glass (Orientable) - Optional	
Maximum Inlet Pressure	with PC Bowl : 10.5 kg/cm ² (150 psig) with Metal Bowl : 17.5 kg/cm ² (250 psig)	
Maximum Operating Temperature (ambient)	with PC Bowl : 50° C (125° F) with Metal Bowl : 80° C (175° F)	
Standard Nominal Flow Rate (at supply pressure of 10 bar and 1 bar drop in Sec. pressure of 6 bar)	1/4	22 dm ³ / sec (46 scfm)
	3/8	37 dm ³ / sec (78 scfm)
	1/2	83 dm ³ / sec (174 scfm)
	3/4, 1	91 dm ³ / sec (191 scfm)
Drain	Manual - Standard	
	Automatic - Optional	
Regulator Type	Relieving diaphragm - Standard Non-Relieving diaphragm - Optional	
Pressure Adjustment	Non-rising plastic knob - Standard Metal 'T' Handle - Optional	
Regulated secondary outlet pressure (spring range) and recommended Pressure gauge ranges available in kg/cm ²)	Spring Range	Gauge Range
	0.2 to 2.10	0 to 2.5
	0.35 to 3.50	0 to 4.0
	0.87 to 8.75	0 to 10.0
	1.00 to 10.0	0 to 16.0
	1.75 to 17.50	0 to 20.0
Gauge size	52 mm OD	
Gauge Port size	Rc 1/8 BSPT.	
Gauge connection	Back	
Mounting Bracket	Optional	
Panel mounting	Possible - Optional	
Ball Valve	Integrated exhaust type Shut-off valve for instant isolation available as optional.	

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

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Size	Flow (dm ³ /s)	Element (um)	Drain	Bowl	Range Kg/cm ²	Operation	Model
G 1/4	22 dm ³ /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-200-A2LC SB13-200-M2LC
G 3/8	37 dm ³ /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-300-A2LC SB13-300-M2LC
G 1/2	83 dm ³ /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-400-A2LC SB13-400-M2LC
G 3/4	91 dm ³ /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-600-A2LC SB13-600-M2LC
Basic Unit			Auto Manual				SB13-000-A2LC SB13-000-M2LC

Option Selector

Sample Model Number → **S B 1 3 2 0 0 M 3 L B - T**

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

0 → S = Shavo

1 Unit → B = Filter / Regulator-Knob Type
A = Filter / Regulator-'T' Handle Type

2 3 Series → 13 = Plug - In Series

4 Pipe Size → 0 = No yoke basic unit
2 = 1/4"
3 = 3/8"
4 = 1/2"
6 = 3/4"
8 = 1"

5 6 Combinations

COMBINATIONS		Polycarbonate Bowl	Metal Bowl with Sight Glass
Relieving	No Gauge	00	96
	With Gauge	21	97
Non-Relieving	No Gauge	22	98
	With Gauge	23	99

7 Drain → M = Manual Drain
A = Automatic Drain

8 Filter Element

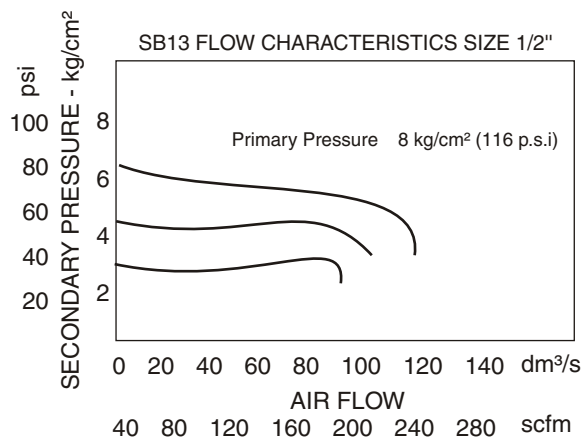
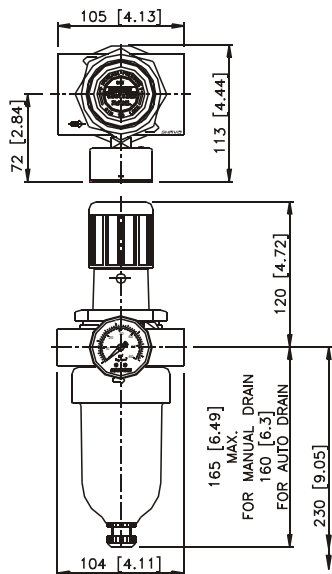
Size	Micron	5	25	50
Porous Plastic		1	2	3
Sintered Bronze		6	7	8

9 Secondary Pressure Rating

C =	2.1 kg/cm ²
E =	3.5 kg/cm ²
L =	8.75 kg/cm ²
M =	10.0 kg/cm ²
S =	17.5 kg/cm ²

10 Threading → B = BSPT
A = NTP
C = BSP Parallel

11 Ball Valve → T = With Ball Valve
Blank = Without Ball Valve



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