

## 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 <sup>2</sup> (150 psig)
	with Metal Bowl	: 17.5 kg/cm <sup>2</sup> (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 <sup>3</sup> / sec (46 scfm)
	3/8	37 dm <sup>3</sup> / sec (78 scfm)
	1/2	83 dm <sup>3</sup> / sec (174 scfm)
	3/4, 1	91 dm <sup>3</sup> / 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 <sup>2</sup> )	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 <sup>3</sup> /s)	Element (um)	Drain	Bowl	Range Kg/cm <sup>2</sup>	Operation	Model
G 1/4	22 dm <sup>3</sup> /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-200-A2LC SB13-200-M2LC
G 3/8	37 dm <sup>3</sup> /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-300-A2LC SB13-300-M2LC
G 1/2	83 dm <sup>3</sup> /sec	25	Auto Manual	Transparent	0-8.75	Relieving	SB13-400-A2LC SB13-400-M2LC
G 3/4	91 dm <sup>3</sup> /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** Position: 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

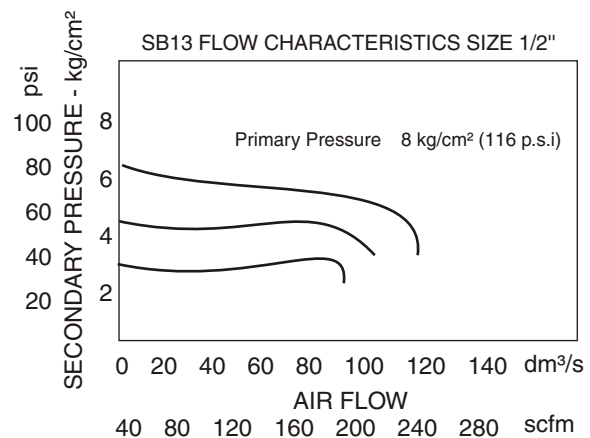
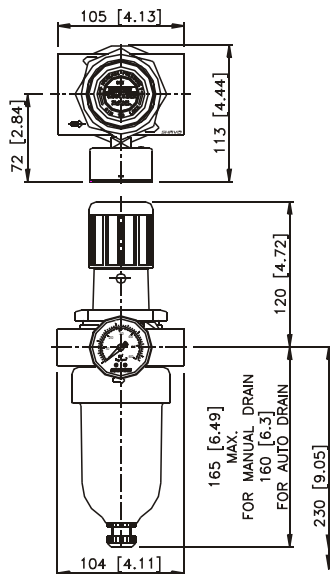
**8** Filter Element:

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

**9** Secondary Pressure Rating: C = 2.1 kg/cm<sup>2</sup>  
E = 3.5 kg/cm<sup>2</sup>  
L = 8.75 kg/cm<sup>2</sup>  
M = 10.0 kg/cm<sup>2</sup>  
S = 17.5 kg/cm<sup>2</sup>

**10** Threading: B = BSPT<sub>r</sub>  
A = NTP  
C = BSP Parallel

**11** Ball Valve: T = With Ball Valve  
Blank = Without Ball Valve



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