

AIR PREPARATION UNITS

FILTER WITH METAL BOWL Series F1M

Cat No F1M - 01 - E

FILTER WITH METAL BOWL - 1/4, 3/8, 1/2, 3/4, 1"

Features

- ☐ Conforms to ISO 5782 -1
- ☐ For higher pressure range above 10 bar
- ☐ Suitable for Modular mounting
- ☐ Aluminium bowl guard, bayonet type (1/2, 3/4 and 1" only)
- ☐ Press type Manual drain for easy operation
- ☐ Suitable for Internal auto drain also
- ☐ Bronze filtering element
- ☐ Separator and shield for efficient moisture separation



Application

These type of filters are used for Chemical, Paintshops, Pharmaceutical, Foundry etc.

Technical Specifications

Model	F13...M	F14...M	F15...M	F17...M	F17...M
Medium	Compressed air				
Port size	G1/4	G3/8	G1/2	G3/4	G1
Flow rate (lts / min) @	800	2250	3500	5000	6500
Maximum supply pressure	20 bar / 10 bar Auto drain model				
Ambient temperature	-10° to +50° C				
Medium temperature	+5° to +50° C				
Filtration # (µm)	1, 5, 25, 40 (standard), 50, 100				
Bowl capacity (ml) (at max. condensate level)	9	64	90	165	165
Bowl material	Aluminium				
Installation	Vertical (as in the picture)				
Materials of construction	Aluminium, Bronze, Steel, Acetal, SS, Nitrile				
Optional accessories *	Clamp, Modular mounting kit				
Weight (Kg)	0.20	0.45	0.85	1.47	1.43

@ Supply pressure 6 bar, pressure drop $\Delta p = 0.3$ bar (For standard models).

For details see " How to order ".

* For details refer Optional accessories Cat No APA - 01 - C
For Semi auto drain minimum working pressure 0.8 bar

Precautions

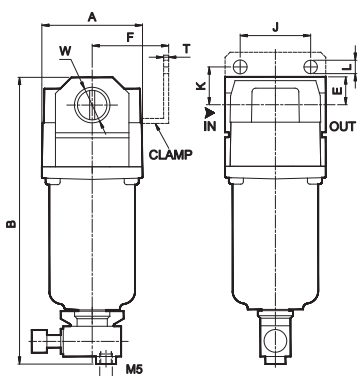
1. Note the direction of flow before installation and connect piping accordingly.
2. Flush pipings for dirt, dust, rust and other foreign particles.
3. Install in clean atmosphere.
4. Nipples of taper threads (R) to be used with teflon tape. Ensure teflon tape does not enter the unit during tightening.
Nipples of straight threads (G) to be used with sealing washer.

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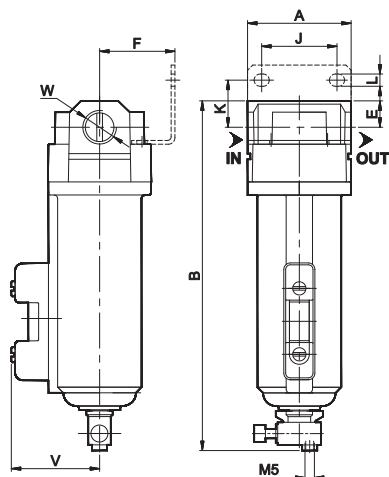
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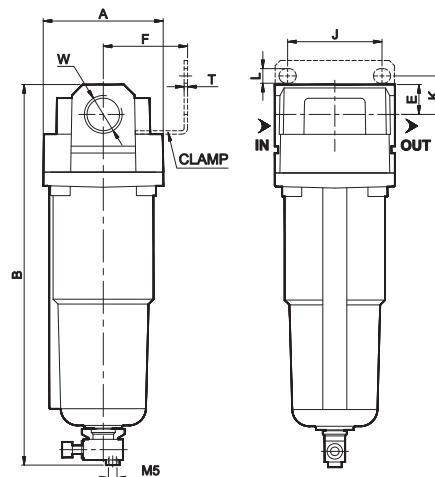
Model F13...-MM
(Without level indicator)



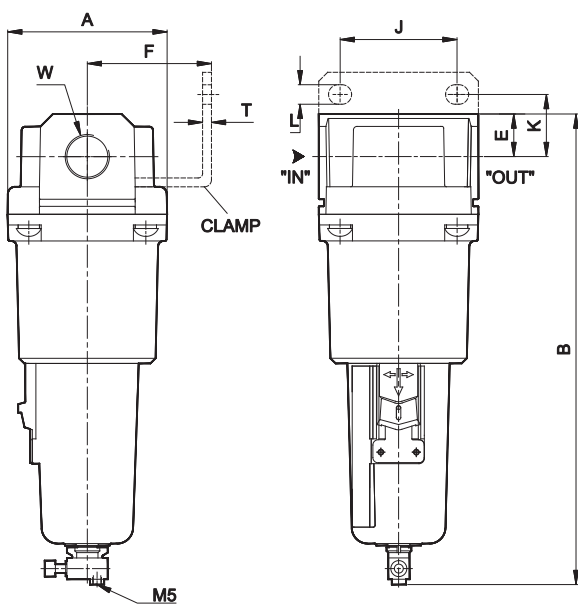
Model F14...-LM
(With level indicator)



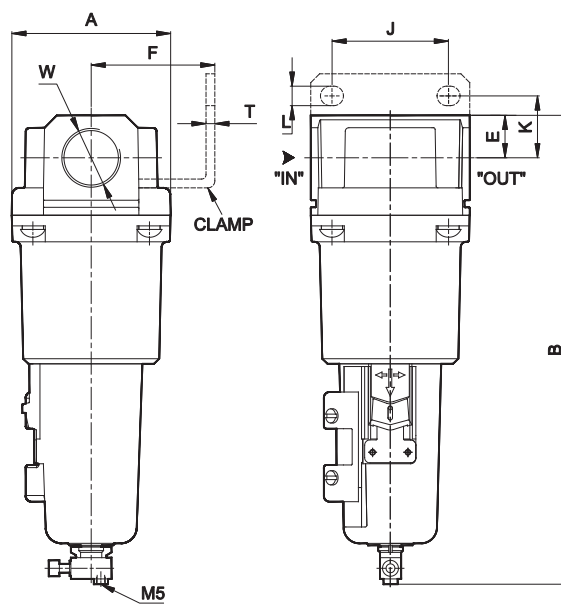
Model F15...-MM
(Without level indicator)



Model F17...-MM (Without level indicator)



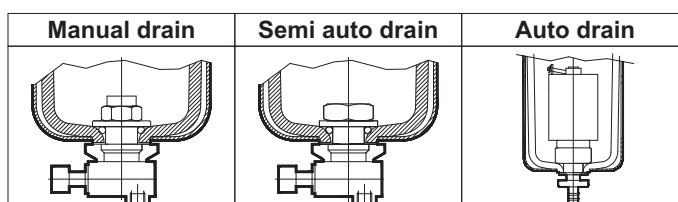
Model F17...-LM (With level indicator)



Model	W	A	B	E	K	F	J	L	T	V
F13...	G1/4	SQ 40	115	11	15	30	28	5.5	2	-
F14...	G3/8	SQ 55	188/ 195*	14	25	40	40	6.5	2	45
F15...	G1/2	SQ 70	224/ 230*	18	25	50	55	8.5	2	50
F17...	G3/4	SQ 90	265/ 273*	24	35	70	66	11	5	-
F17...	G1	SQ 90	265/ 273*	24	35	70	66	11	5	-

* with Auto drain

For Details of Clamp see optional accessories Cat No APA - 01 - C



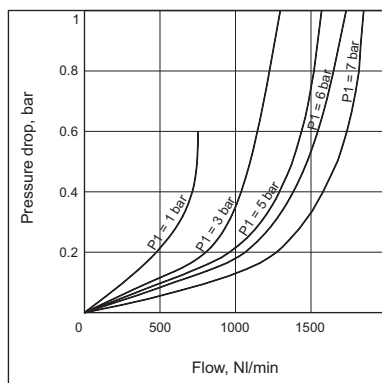
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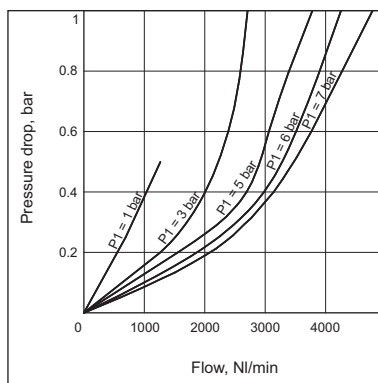
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Flow Graphs

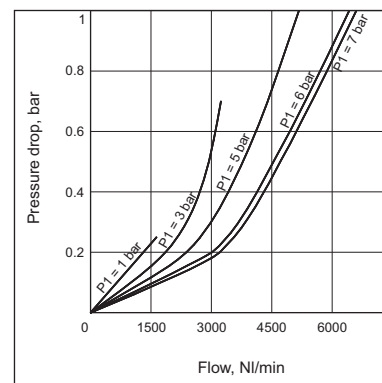
1/4" FILTER



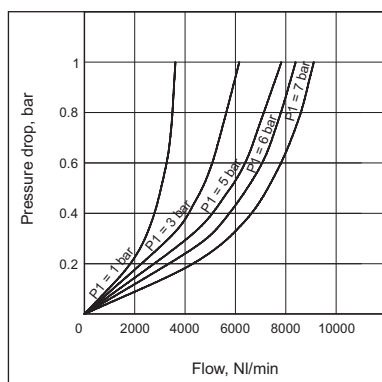
3/8" FILTER



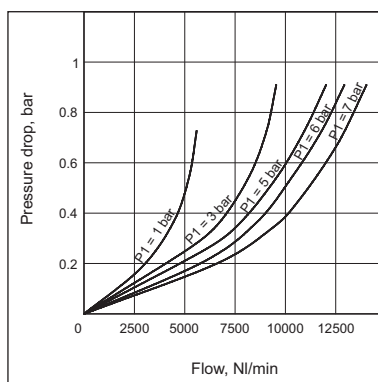
1/2" FILTER



3/4" FILTER



1" FILTER



Flow graphs are for 40 μ m filtrations only.

How to order

F1	462	3	—	M	M		
Body & Port size		Filtration in μm		Metal bowl	Drain arrangement		
361	G1/4	0	- 1	M	Without level indicator	M	Manual drain (Standard)
462	G3/8	1	- 5	L**	With level indicator	A*	Auto drain
563	G1/2	2	- 25			S	Semi Auto drain
764	G3/4	3	- 40 (Standard)				
765	G1	4	- 50				
		5	- 100				

** - Applicable for F14, F15, F17 models only

* Auto Drain - F14, F15, F17 models only pressure.

S - For Semi auto drain minimum working pressure.

The basic model filter is supplied with manual drain.

** - Applicable for F14, F15, F17 models only

* Auto Drain - F14, F15, F17 models only, 2 - 10 bar operating pressure.

S - For Semi auto drain minimum working pressure 0.8 bar.

The basic model filter is supplied with manual drain.

For optional drain requirement specify the suffix mentioned in ordering information.

Ordering example:

Filter - 3/8" size (with 3/8" port) with 50 μ m and Metal bowl with Auto drain Ordering No: **F14624-MA**.

If ordered as 3/8" Filter with Metal bowl, our standard model **F14623-MM**, with 40 μ m will be supplied.

Subject to change