

HIGH EFFICIENCY COMPRESSED AIR FILTER



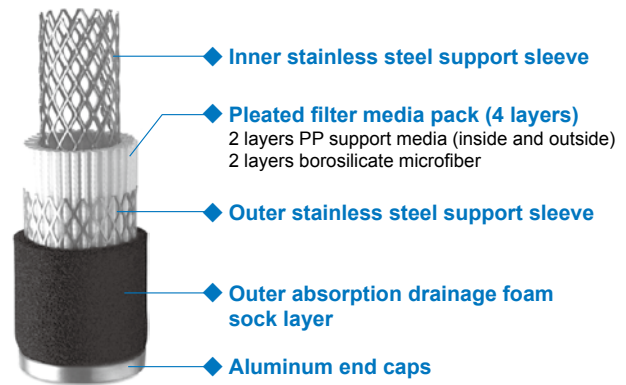
Features

Air filter engineering original imported top quality filter element 98% voids volume provides long life time with lowest operating cost. Pleated media provides far more filter surface, therefore more dirt holding capacity, lower diff. pressure and lower running cost compare to conventional wrapped element designs.

A. Filter media: AFE uses high performance borosilicate microfiber with 98% void volume. The pleated design assures the highest possible filtration area within the element geometry to provide low operating cost.

B. End cap: An O-ring sealed alumina end cap for the highest possible operating temperature together with tie rod construction provides highest possible security against pressure spikes in the compressed air system.

C. Stainless steel support sleeves: Inner and outer SS support sleeves for supporting the filter media, incl. a mechanical pre-separation.



Order example

MJF – CP – 60FP – D – G

MODEL

MJF (Ported)
MJL (Flanged)

CODE

10F~150F (Ported)
200L~1250L (Flanged)

OPTION

D: Auto drain (*)
G: Differential pressure gauge

GRADE

CP: Coarse pre-filtration
TU: General filtration
AH: High performance filtration
HC: Activated carbon filter

CUSTOMIZE

P: Stainless steel
H1: High pressure (11~20barG)
H2: High pressure (21~30barG)
H3: High pressure (31~40barG)
H4: High pressure (41~50barG)

* H1~H4 high pressure can not choose D: Auto drain.

Refrigeration dryer

C – NF1E

REPLACEMENT ELEMENT

GRADE

C: Coarse Pre-filtration
T: General filtration
A: High performance filtration
H: Activated carbon filter

Features (Grades)

Filtration grade	CP	TU	AH	HC
Features	Coarse Pre-filtration	General filtration	High performance filtration	Activated carbon filter
Oil removal mg/m ³	n/a	0.1	0.01	0.003
Particle removal micron μ	3.0 μ	1.0 μ	0.01 μ	n/a

Correction factor

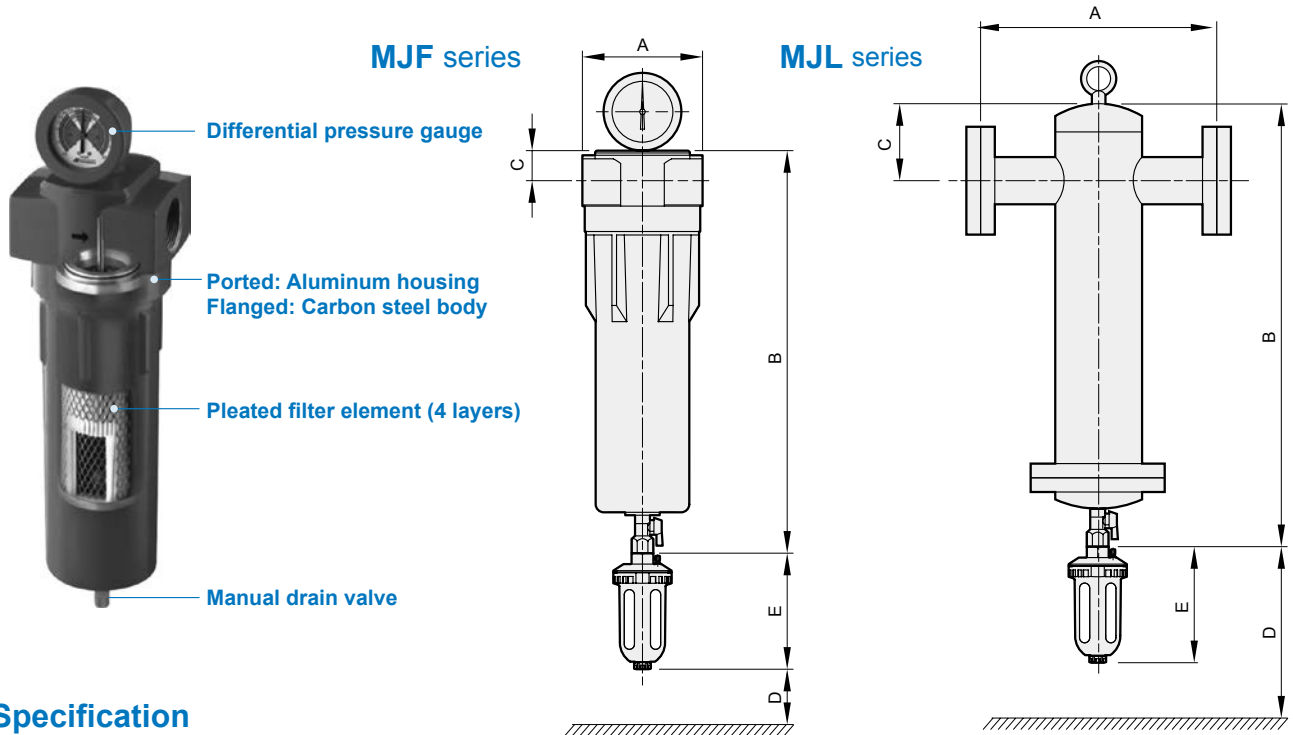
Inlet pressure (MPa)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Correction factor	0.25	0.38	0.50	0.65	0.75	0.88	1.0	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

MJF / MJL Dimensions (Grade)-10F~(Grade)-1250L



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Mindman



Specification

Filter model		Max. capacity		Connection	Oper. pressure	Dimension (mm)					N.W.	Replacement element Model×Q'ty
		Nm ³ /min	SCFM			inch	barG	A	B	C		
MJF Series (Ported)	(Grade)-10F	1.6	56	Rc1/2"	16	87	303	24	180	200	1.3	NF1E×1
	(Grade)-15F	2.4	84	Rc3/4"	16	87	303	24	180	200	1.3	NF1E×1
	(Grade)-25F	3.6	127	Rc1"	16	130	325	43	190	200	3.6	NF2E×1
	(Grade)-40F	5.5	194	Rc1 1/2"	16	130	325	43	190	200	3.6	NF2E×1
	(Grade)-60F	8.1	285	Rc1 1/2"	16	130	740	43	430	200	6.7	NF3E×1
	(Grade)-100F	15	529	Rc2"	16	163	762	55	590	200	8.9	NF4E×1
	(Grade)-150F	25	882	Rc2 1/2"	16	163	1017	55	700	200	11.0	NL1E×1
MJL Series (Flanged)	(Grade)-200L	30	1059	3"FL	10	350	1120	116	680	200	45	NL1E×1
	(Grade)-400L	60	2118	4"FL	10	510	1330	150	680	200	70	NL1E×2
	(Grade)-700L	90	3177	6"FL	10	600	1450	195	680	200	110	NL1E×3
	(Grade)-900L	120	4236	6"FL	10	600	1460	195	680	200	150	NL1E×4
	(Grade)-1250L	150	5295	8"FL	10	750	1600	195	680	200	240	NL1E×5

Operating scope: • Max. operating temp: 60°C(High temp. is also available) • Max. differential pressure: 0.6barG

Material: Ported: • Aluminum • Flanged: Carbon steel

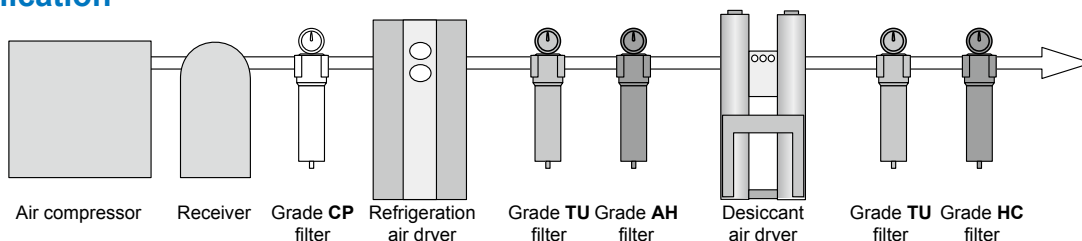
Optional: • Auto drain: "D" (Pressure is higher than 10 barG needs prior notice) • Differential pressure gauge:"G"

Customize: • Stainless steel: "P" • High pressure: H1(11~20barG); H2(21~30barG); H3(31~40barG); H4(41~50barG)

Element Replacement: Replace every 1 year or earlier if the differential pressure gauge changes to red. Activated carbon elements should be changed after 1000 hours operation. All filter elements only guaranteed under operating scope.

Ordering Example: AH High efficiency oil removal filter with a max. capacity of 30Nm³/min, internal auto drain and differential pressure gauge. would be configured as : MJL-AH-200L-D-G. A-NL1E for element model. (Equip with "D" or "G". MJF series model number printed on name plate without -D-G, MJL series model number with -D-G)

Application



Note: 1. Grade TU filters after desiccant air dryer is for particle removal. Must be installed reversely and auto drain is unnecessary.
2. Grade HC filters is for oil vapor and odor removal. Auto drain and differential pressure gauge are not required.