

Differential pressure gauge

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.

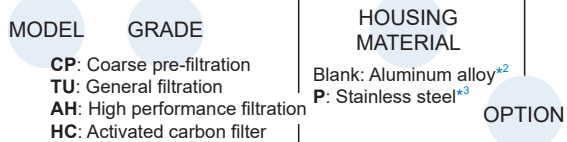
A. Filter media: AFE uses high performance borosilicate microfiber with 98% void volume. The pleated design assures the highest possible filtration area within the element geometry to provide low operating cost.

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 of port type

MJF – CP – 60F □ – D – G



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

Blank: Aluminum alloy*²
 P: Stainless steel*³

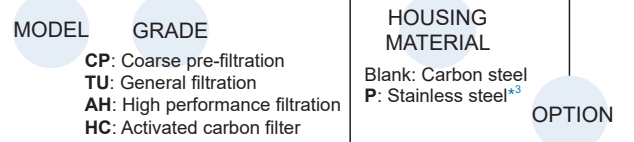
OPTION

Code	Pressure (barG)		
	Blank	Standard	~10
10F~150F	H1	High* ³ pressure	11~20
	H2		21~30
	H3		31~40
	H4		41~50
10L~150L* ¹	Blank	Standard	7~10

Blank: Manual drain (16 barG)
 D: Auto drain (50 barG)
 G: Differential pressure gauge

Order example of flang type

MJL – TU – 200LH1 □ – D – G



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

Blank: Carbon steel
 P: Stainless steel*³

OPTION

Code	Pressure (barG)		
	Blank	Standard	~10
200L ~ 1250L	H1	High* ³ pressure	11~20
	H2		21~30
	H3		31~40
	H4		41~50

Blank: Manual drain (16 barG)
 D: Auto drain (50 barG)
 G: Differential pressure gauge

*1. Only for "P" stainless steel housing material.

*2. When choosing the high pressure type, the material is carbon steel.

*3. Stainless steel and high pressure are specially customized. For inquiries, please contact us.

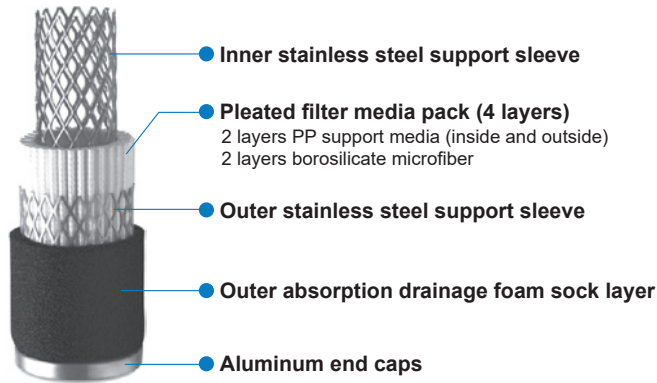
Specification of grade (filter element)

Filtration grade (Filter element)	CP (C)	TU (T)	AH (A)	HC (H)
Features	Coarse pre-filtration	General filtration	High performance filtration	Activated carbon filter
Particle removal micron	3.0 μ	1.0 μ	0.01 μ	n/a
Oil contaminant retention down to	n/a	0.1	0.01	0.003
Nominal initial pressure drop	0.03	0.05	0.09	0.10
Max. operating temp.	80	60	60	60
Life time	8000			1000

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

Filter element



Filter element / Order example

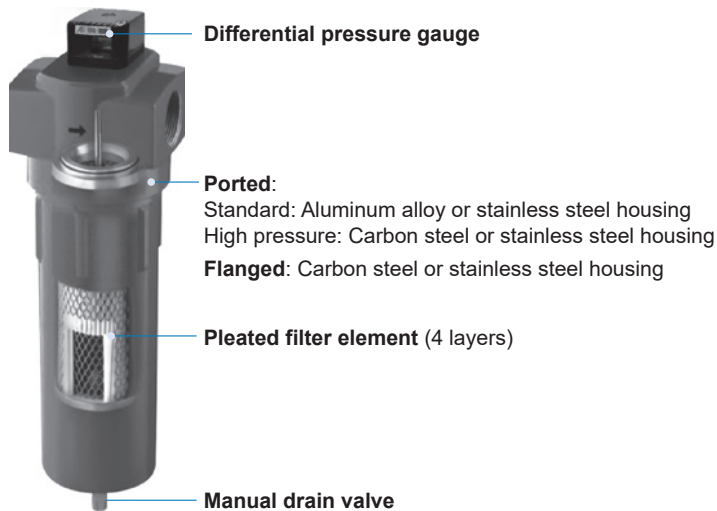
C – NF1E × 1

GRADE

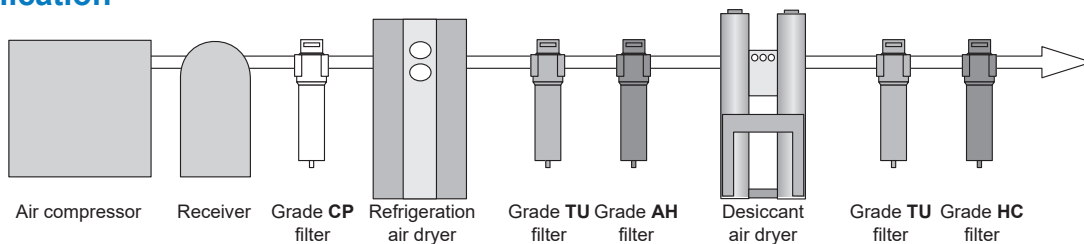
C: Coarse Pre-filtration (3.0 μ)
T: General filtration (1.0 μ)
A: High performance filtration (0.01 μ)
H: Activated carbon filter

Model	Filter element × Q'ty	
MJF Series (Ported)	10F	NF1E×1
	15F	NF1E×1
	25F	NF2E×1
	40F	NF2E×1
	60F	NF3E×1
	100F	NF4E×1
	150F	NL1E×1
	10LP	NF1E×1
	15LP	NF1E×1
	25LP	NF2E×1
	40LP	NF2E×1
	60LP	NF3E×1
	100LP	NF4E×1
	150LP	NL1E×1
	MJL Series (Flanged)	200L
400L		NL1E×2
700L		NL1E×3
900L		NL1E×4
1250L		NL1E×5

Structure



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.

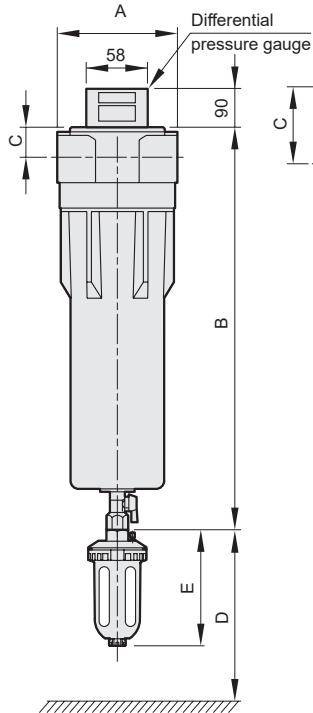
MJF / MJL Dimensions 10~1250

HIGH EFFICIENCY COMPRESSED AIR FILTER



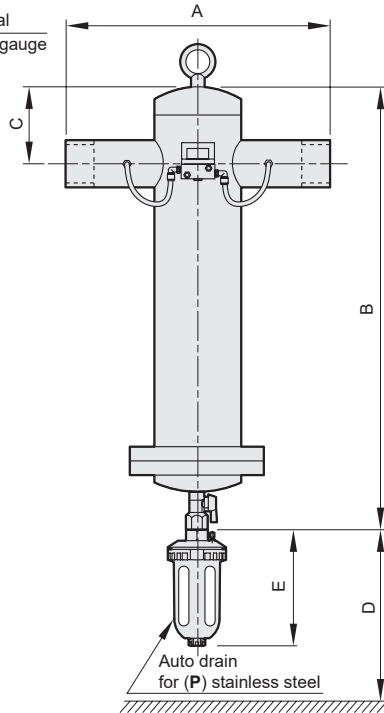
MJF-*-D

10F~150F



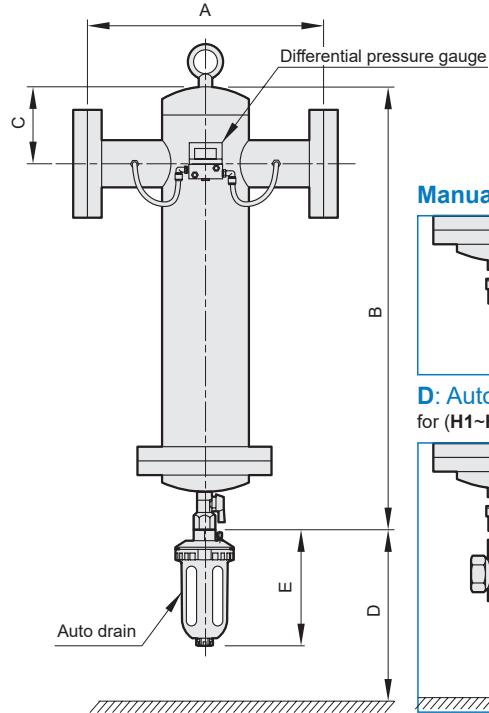
MJF-LP-D

Customize 10LP~150LP

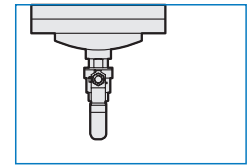


MJL-*-D

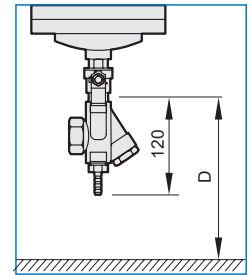
Standard 200L~1250L



Manual drain



D: Auto drain for (H1~H4) high pressure



Model	Max. capacity		Connection inch	Dimension (mm)					N.W. kg	
	Nm ³ /min	SCFM		A	B	C	D	E		
MJF Series (Ported)	10F	1.6	56	Rc1/2"	87	303	24	380	200	1.3
	15F	2.4	84	Rc3/4"	87	303	24	380	200	1.3
	25F	3.6	127	Rc1"	130	325	43	390	200	3.6
	40F	5.5	194	Rc1 1/2"	130	325	43	390	200	3.6
	60F	8.1	285	Rc1 1/2"	130	740	43	630	200	6.7
	100F	15	529	Rc2"	163	762	55	790	200	8.9
	150F	25	882	Rc2 1/2"	163	1017	55	900	200	11.0
	10LP	1.6	56	Rc1/2"	200	395	75	250	200	-
	15LP	2.4	84	Rc3/4"	200	395	75	250	200	-
	25LP	3.6	127	Rc1"	280	410	93	250	200	-
	40LP	5.5	194	Rc1 1/2"	280	410	93	250	200	-
	60LP	8.1	285	Rc1 1/2"	280	790	93	450	200	-
	100LP	15	529	Rc2"	280	790	93	600	200	-
	150LP	25	882	Rc2 1/2"	300	1050	100	600	200	-
MJL Series (Flanged)	200L	30	1059	3"FL	350	1120	116	680	200	45
	400L	60	2118	4"FL	510	1330	150	680	200	70
	700L	90	3177	6"FL	600	1450	195	680	200	110
	900L	120	4236	6"FL	600	1460	195	680	200	150
	1250L	150	5295	8"FL	750	1600	195	680	200	240

* Max. differential pressure: 0.6barG

* 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.

* Equip with "D" or "G". MJF series model number printed on name plate without -D-G, MJL series model number with -D-G