



The « M » Filter from Flow Air Filters is an HEPA and ULPA filter type with minipleats and hotmelt separators. This special technology optimizes the media density. The M filter is an integral element of the clean rooms, laminar flow hoods or fan filter units.

Available in H14 (99,999% DOP efficiency) to U17 (99,999999% DOP efficiency). Flow Air proposes the M filter in a large range of sizes and media pack depth.

The filters are all manufactured. Then they are individually tested and packed in a controlled environment. A sticker with the test results and the serial number is attached on each filter.

## M Filter

### Structure and Data

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- A solid and light anodized aluminum frame.
- Hotmelt separators
- Polyurethane sealant: the elasticity of the seal improve its air tightness during the filter life.
- The filter is tested by a "Leak Detection System" scan
- Each filter is controlled and serialized according to strict procedures.
- All the filter data appears on its frame: Efficiency, Flow Rate, Pressure drop and nominal dimensions.
- Certificate of Testing is added to each filter.
- The filters are conditioned in rigid cardboard for a perfect protection.
- Media of Ultra Fine Fiber Glass

### Options

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1. Laminator Net: The purpose of the net is to neutralize turbulences and increase the airflow laminarity.
2. Recyclable HEPA filters - In order to conform with ecological norms, "M" filters can have Plywood frame with no metallic parts. The filter may be incinerated without emitting residual toxic gas or dust.
3. Blue gel sealant - Instead of polyurethane gasket the filter can be sealed, in better way, by putting Blue gel sealant.

**Final recommended pressure: 2" w.g.**

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**Efficiency in accordance with: EN 1822 standard: H14 – U17 levels**

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**Maximum ambient Temp.: 176°F**

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### Technical data

Filter	M 14	M 15
Efficiency in EN 1822	H14	U15
MPPS efficiency	99,995%	99,9995%
Dop efficiency @ 0,3 µm	99,999%	99,9999%
Max ambient temp	176°F	176°F
Max relative humidity	100%	100%

### Data Table

Size Code	Size (inch)			H14		U15		Weight (lbs)
				DOP efficiency 99,999% @ 0,3µm		DOP efficiency 99,9999% @ 0,3µm		
	Length	Width	Depth	Pressure DROP @ 100 FPM	Flow rate in CFM	Pressure DROP @ 100 FPM	Flow rate in CFM	
2/2	8	8	2.68	0.54	44	0.67	44	2
3/3	12	12	2.68	0.57	100	0.71	100	4
3/6	12	34	2.68	0.80	283	1.00	283	8
3/7	12	30	2.68	0.57	100	0.72	100	12
3/9	12	36	2.68	0.61	300	0.76	300	14
6/4	24	18	2.68	0.56	100	0.70	100	10
6/6	24	24	2.68	0.57	400	0.71	400	18
6/7	24	30	2.68	0.56	100	0.69	100	22
6/9	24	36	2.68	0.57	600	0.71	600	28
6/12	24	48	2.68	0.57	100	0.71	100	36
6/15	24	60	2.68	0.61	1000	0.76	1000	44
6/18	24	72	2.68	0.61	100	0.76	100	52
7/7	30	30	2.68	0.61	625	0.76	625	28
7/9	30	36	2.68	0.61	100	0.76	100	34
7/12	30	48	2.68	0.61	1000	0.76	1000	46
7/15	30	60	2.68	0.61	100	0.76	100	58
7/18	30	72	2.68	0.61	1500	0.76	1500	68
9/9	36	36	2.68	0.61	100	0.76	100	42
9/12	36	48	2.68	0.61	1200	0.76	1200	56
9/15	36	60	2.68	0.61	100	0.76	100	68
9/18	36	72	2.68	0.61	1800	0.76	1800	74

### M reference for order

Efficiency code	dop efficiency
14	99,999%
15	99,9999%

Frame Depth Code	
68	3"
96	4"
150	6"

Frame Code	
A	Aluminum
X	Inox
G	Galvanized
W	Wood

Grid Code	
P	Epoxy
X	Stainless steel
L	Laminator

Filter Code	Efficiency Code	Size Code	Frame Depth Code	Frame Code	Grid Code	Gas ket Code
M						

Gasket Code	
BG	blue gel
POLY	polyurethane