



## MF- Mechanical Filter for fumes and light dust



- One filter for all applications, today and tomorrow
- Adapts to changes in production
- Expandable, just add one more module
- Easy to reconfigure
- Mix and match for tailor made solution
- Minimizes your risk of making the wrong investment
- The safest decision you will ever make

# PlymoVent MF – Flexible and expandable

## Unique modular assembly

The unique modular assembly (patent pending) and special bolts will make sure that installation is easy and at the same time has the same stability as a one piece unit.

- **Change the filter** – If the application changes you can easily insert a different media into the same cabinet
- **Free standing with 3 optional inlets** – Right, left or back, means flexibility when connecting to duct work



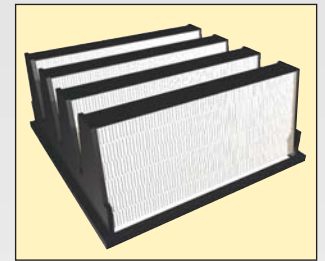
## Filter life indicator

Tells exactly when to change filters and what filters to use in the unit.

- **Add one extra filtration step**
- **Rebuild / extend the filter** – when changes in production take place

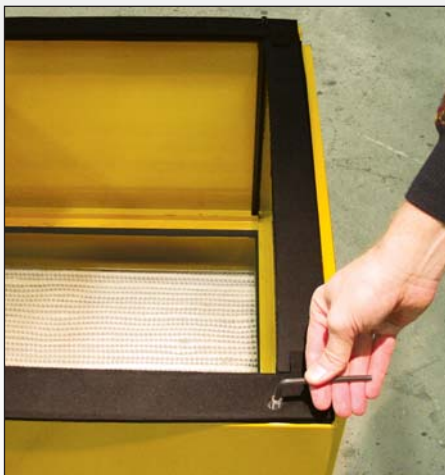


**HEPA (High Efficiency Particulate Arrestor)** Optional HEPA filter with high surface area and H12 filter class. Guarantees high separation efficiency, which does not deteriorate over long periods of time.



**Carbon filter to remove odours and gases.** Option to remove odours, vapours from organic gases, solvents, welding, soldering and ozone.

- **Easy assembly at site** – The filter can be assembled with only one tool. This enables installation in areas where large units are difficult to place.



## Unit finish

Produced from corrosion resistant galvanized, treated with baked epoxy powder coat finish to resist harsh industrial environment.

# PlymoVent MF – Mix and match for tailor made solutions



The "one for all" mechanical filter that adapts to changes and is easy to configure. Mix and match to suit specific processes or choose from our standard configurations.

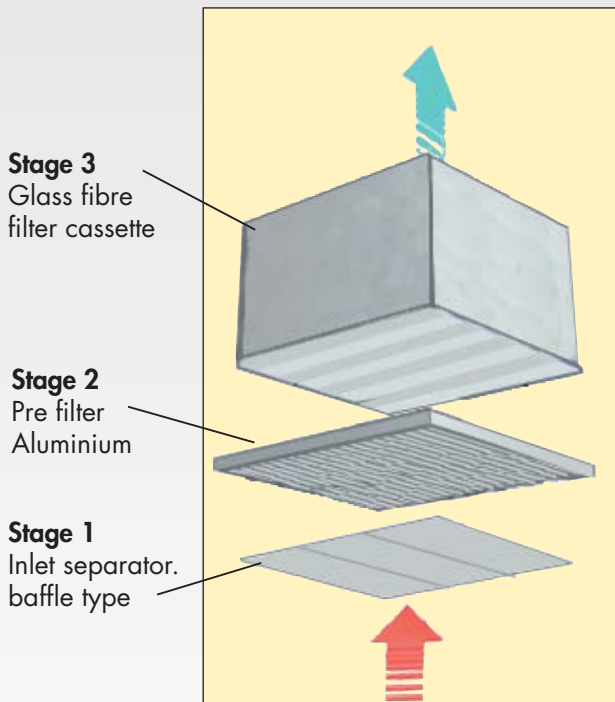
For information about the latest options, please also check

[www.plymovent.com](http://www.plymovent.com)



## PlymoVent MF for welding fumes

Designed for use with PlymoVent wall mounted extraction arms or connected to existing extraction system.



**Stage 1** Inlet separator with spark arrestor. Makes sure that no sparks enter the filter.

**Stage 2** Pre-filter with aluminium mesh to screen out larger particles.

**Stage 3** Fine-filter - Glass fibre. Filtration efficiency standard at BIA C, Eurovent F9 and 95% ASHRAE. Disposable filter cassette with long filter life.

# Standard unit configurations



MF-20 Wall mounted with one KUA extraction arm suitable for fan FUA 2100



MF-21 Wall mounted with two KUA extraction arms suitable for fan FUA 4700



MF-31 Free standing suitable for fan FUA 3000

## Technical Data

Product no	MF-20	MF-30	MF-31
Filtration steps	3	3	3
Air volume	800-1200 m <sup>3</sup> /h 470-700 CFM	2x800-1200 m <sup>3</sup> /h 2x470-700 CFM	2500 m <sup>3</sup> /h 1470 CFM
Inlet	PlymoVent Extraction arm Type: KUA / EA	PlymoVent Extraction arm Type: 2xKUA / EA	Central system 3 sides 250 mm / 10"
Housing material	Galvanized steel	Galvanized steel	Galvanized steel
Housing finish	Epoxy powder coat	Epoxy powder coat	Epoxy powder coat
Unit weight	49 kg / 108 lbs	49 kg / 108 lbs	72 kg / 158 lbs
Unit dimensions			
Height	857 mm / 33 3/4"	857 mm / 33 3/4"	1190 mm / 47"
Width	675 mm / 26 9/16"	675 mm / 26 9/16"	675 mm / 26 9/16"
Depth	712 mm / 28"	712 mm / 28"	718 mm / 28 5/16"
Max negative pressure	4000 Pa / 16" wg	4000 Pa / 16" wg	4000 Pa / 16" wg
Filterlife indicator	0-2000 Pa / 0-8" wg	0-2000 Pa / 0-8" wg	0-2000 Pa / 0-8" wg
Final filter pressure	800 Pa / 3,2" wg	800 Pa / 3,2" wg	800 Pa / 3,2" wg
Unit efficiency	95% Ashrae / F9 EuroVent BIA-C	95% Ashrae / F9 EuroVent BIA-C	95% Ashrae / F9 EuroVent BIA-C

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