

MF – Wall mounted mechanical filters with fan

Wall mounted filters with extra large capacity using "no maintenance" replaceable filters



PlymoVent wall mounted mechanical filters, MF, are designed for use with PlymoVent's wall mounted extraction arms. With up to 99% efficiency they clean the premises of welding fumes, lighter grinding dust etc. and the cleaned air is recirculated into the premises, with no heat loss at all.



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The design and function of the MF, allied to its huge capacity, guarantees you a clean work-place free from dust and fumes. Filtration of pollutants from processes such as welding, turning, cutting etc. is carried out in two stages. Access to the maintenance-free, replaceable filters is easy and changing them takes just a couple of minutes.

An activated carbon filter for gases is also available as an accessory. This is also easily replaced.

PlymoVent offers you a clean working environment at the right price.

PLYMOVENT®

– an ISO 9001 certified manufacturer

ESSENTIAL FACTS

2 stage filtration with a standard filter

Stage 1: A thick aluminium prefilter separates particles down to 50µm (0.05 mm).

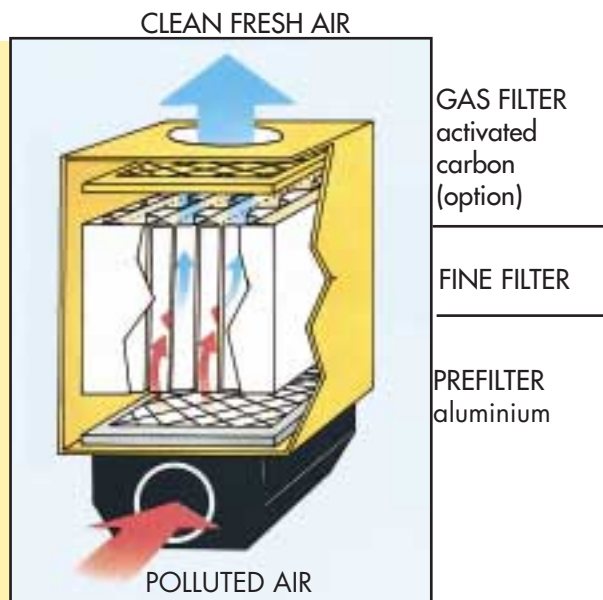
Stage 2: A fine cellulose filter with a very large active surface separates up to 99% of all other smaller particles.

3 stage filtration with an activated carbon filter

The third stage in the filtration process is achieved by the PlymoVent activated carbon filter which is available as an accessory for filtering gases in, for example, welding fumes. The larger the concentration of gas, the shorter the life span of the carbon filter. The MF filters are connected directly to the extraction arms for continuous cleaning and recirculation of the air and no heat loss. They are available in two sizes for 1 or 2 work stations, with different filter sizes in each – 15 m² or 25 m².



The MF-filters have been equipped with an alarm function. When the fine filter is full, an alarm signal sounds and a red light comes on. (MF-2002/AL, MF-3002/AL)



PlymoVent's wall mounted mechanical MF filters have a large capacity and a high filtration efficiency up to 99%.

An extraction arm will capture fume and dust at a distance of 30-50 cm from the source and within an area of 0.5-1.0 metre diameter. No cleaning of the filter is necessary. The filter cassette is simply changed when full, between 1 and 3 times per year.

TECHNICAL DATA

PlymoVent Mechanical Filter - MF

(Fan, filter and inlet included)

Prod. no.	Fan	Active incl. fan Area m ²	Height mm	Width mm	Depth mm	Weight kg	Noise Level app. dB(A)	Max. airflow through hood	
								With carbon filter in m ³ /h	without carbon filter in m ³ /h
MF-2000 for 1 extractor	0.75 kW, 400 V 3-ph	15	1075	506	540	64	< 70	850	1100
MF-3000 for 2 extractors	2.2 kW, 400 V 3-ph	25	1175	506	750	89	< 70	2 x 900	2 x 1000
MF-3000 for 1 extractor	2.2 kW, 400 V 3-ph	25	1175	506	750	89	< 70	1300	1500

Filters with alarm

Prod. no.	Description
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MF-2002/AL	as MF 2000, but with an alarm function*
MF-3002/AL	as MF 3000, but with an alarm function*

* When the fine filter is full, an alarm signal sounds and a red light comes on. The fine filter must be replaced and the prefilter washed before restarting.

Prod. no.	To be used
MF-2000	for 1 extraction arm with welding and light dust.
MF-3000	for 2 extraction arms with welding and light dust.
MF-3000	for 1 extraction arm when extremely high air velocity is required.

Complementary products and accessories.

Prod. no.	Description	Dust Capacity kg
MK-001	Replacement filter for MF-2000	3
MK-002	Replacement filter for MF-3000	5
CF-001	Activated carbon filter for MF-2000	
CF-002	Activated carbon filter for MF-3000	

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