FPM Modular Filter System

Standard build of the FPM modular cartridge filter is designed for cleaning the air of non-explosive and chemically non-aggressive dry dust generated during production processes. The filter consists of the base with a dust collection drawer or drawers, cartridge chambers and compressed air cartridge cleaning chambers.

HIGH EFFICIENCY OF AIR FILTRATION

Modular design of FPM filtration system allows the user to configure the final device version according to the application requirements or delivery method. FPM configurations are completed by cartridges, which appropriate selection ensures proper filtering surface area for the type of pollutant, as well as the amount of extracted air.



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FPMXL-02



FPMXL-04



FPMXL-06



FPMXL-08



APPLICATION

- welding smoke extraction
- dry, airborne dust extraction
- professional use
- workshop work stations
- repair workstations

CONSTRUCTION

- steel profile frame
- steel sheet plating
- powder coating
- filter base with dust collection drawers
- vertically inserted filter cartridges
- fan with inverter
- optional winter / summer outlet unit
- automatic filter cleaning system*

FEATURES

- simple & safe cartridge handling
- modular design
- wide air flow scope
- easy installation

FPMXL-10



FPMXL-12



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** requires connection to compressed air system (5–5.5 bar)*

FPMXL OPTIONS

	CORE	PRO
metal inlet pre-filter	✓	✓
gmain cartridge filter PTFE lub EXTREME	✓	✓
filter unit controller	basic function	full function
fan control	on / off	VFD
local/remote switch	—	yes
expense control	—	automatic
pulse cleaning	timer	timer / ΔP
compressed air level control	—	✓
modbus TCP/IP description of registers available for automatic applications	—	yes
drawer/chute finish option	✓	✓
signal column connector	—	yes
RB panel in a clean compartment - noise isolation	additional option	additional option

FILTER CARTRIDGES

cartridge type**	filter type	filter class	drawing No.
Prefilter (720x440x20 mm)*	metal	Coarse 30% (G2)	240313
Prefilter (1020x1020x40 mm)*	metal	Coarse 30% (G2)	242073
MAIN FILTER XL EXTREME	cartridge	99% efficiency for particles ≥ 0.5 µm	240847

** the size of installed pre-filter depends on the FPM device version*

DIMENSIONS

model	(width x depth x height)
FPMXL02	638 x 1168 x 3031 mm
FPMXL04	1400 x 1168 x 3031 mm
FPMXL06	1952 x 1168 x 3031 mm
FPMXL08	2502 x 1168 x 3031 mm
FPMXL10	3052 x 1168 x 3031 mm
FPMXL12	3602 x 1168 x 3031 mm