

Losma / Air filters  
**Pascal + Pascal M**

Dust and fumes extractor

**ENG**



Pascal



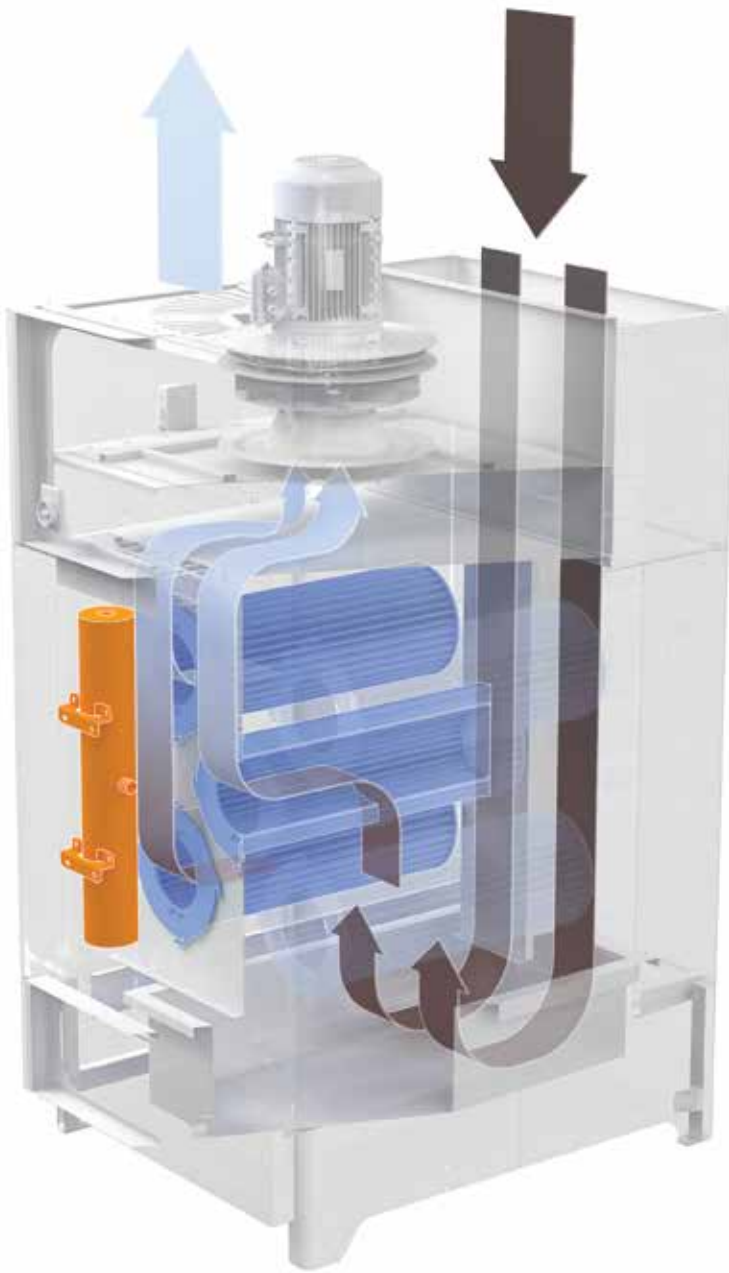
Pascal M

The new PASCAL filter series is designed for the filtration of dust and smoke deriving from various machining processes. The filtration module has specifically been conceived for the industrial sector, where its important features lie in its sturdiness, reliability and simplicity in conduction and maintenance. It is available in 3 sizes with flow rates ranging from 3.000 to 9.000 mc/h and with increasing filtration efficiency rates to reach 99,97%. The family is also composed by PASCAL M, equipped with wheels, is available in 2 sizes with flow rates of 1.500 and 2.500 mc/h with increasing filtration rates to reach 99,97%



*Losma grants that every single system is tested through strict control procedures. Every unit is provided with a Quality and Functional Test Certificate.*

## Working Principles



### **Pascal:**

The air entry section, which connects the piping to the filter, consists in a large section which serves as a calming chamber. The following area consists of a chamber which houses the filter elements, cartridges with folds with a high filtration surface, withholding the finer impurities.

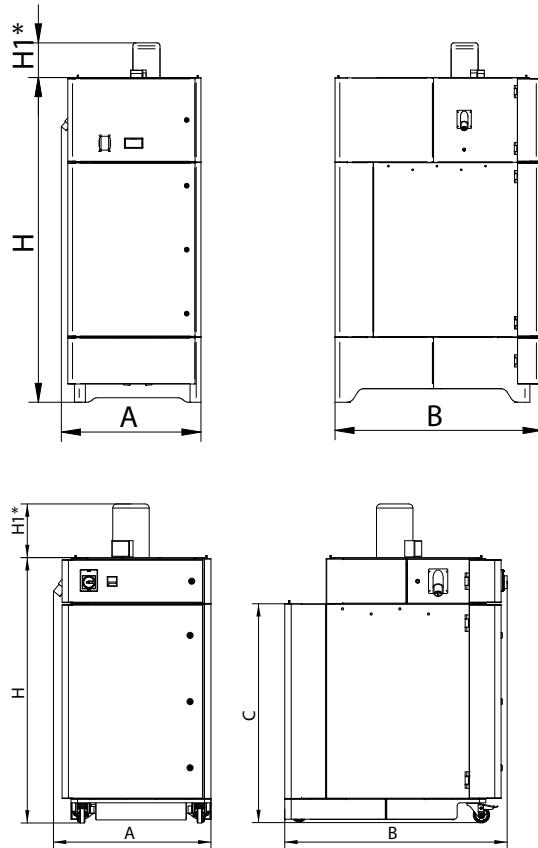
These cartridges are kept in perfect condition from a programmable electronic cleaning system using compressed air for counter-cleaning, which monitors continuously  $\Delta P$  and manage sequentially the opening of electro-valves and the consequent cleaning cycles conserving compressed air consumption, contained in the storage reservoir. The program controller is equipped with a visual display for the visualization of main functionalities and the alarm limit planning.

The horizontal positioning of cartridges allows for fast access and quick maintenance; access to the filtration chamber is possible through a hinged door. Filter removal is simple, quick and clean, because the dirty chamber is separated from the clean section by a panel which also serves as a support structure for the filter elements. Dust are collected in a large tank, which can easily be moved with forks.

### **Pascal M:**

The air entry section, which connects the piping or the suction arm (optional), consists in a large section which serves as a calming chamber. The following area consists of a chamber which houses the filter elements, cartridges with folds with a high filtration surface, which withholds the finer impurities. These cartridges are kept in perfect condition by a cleaning system (optional) using compressed air, consisting in a Timer which manages the opening of the electro-valves positioned on the storage reservoir and the cleaning cycles. The horizontal positioning of cartridges allows for fast access and quick maintenance; access to the filtration chamber is possible through a hinged door. Filter removal is easy, quick and clean, because the dirty chamber is separated from the clean section by a panel which also serves as a support structure for the filter elements. Dusts are collected in a collection tank which can easily be removed and emptied. The filtration group is equipped with wheels in order to be easily moved around the workshop.

## Technical Data



Pascal					
Models	Dimensions [mm]				
	A	B	C	H	H1
PASCAL 3000	1000	1400	na	2500	180
PASCAL 4000	1000	1400	na	2500	230
PASCAL 5000	1200	1450	na	2500	240
PASCAL 6000	1200	1450	na	2500	300
PASCAL 7000	1500	1500	na	2900	320
PASCAL 9000	1500	1500	na	2900	420
PASCAL 1500 M	800	1100	1100	1310	250
PASCAL 2500 M	800	1100	1100	1310	300

Pascal					
Models	Max air flow	Static pression	kW Installed	N° Cartridge	Filtration surface
	m³/h	mm H <sub>2</sub> O			m²
PASCAL 3000	3000	160	2,2	2	36
PASCAL 4000	4000	200	3	3	48
PASCAL 5000	5000	200	4	4	60
PASCAL 6000	6000	200	5,5	5	72
PASCAL 7000	7000	260	7,5	6	84
PASCAL 9000	9000	350	11	7	108
PASCAL 1500 M	1500	120	1,1	1	12
PASCAL 2500 M	2500	100	1,5	2	24

## Optional

### Cleaning system\*:

Counter-cleaning system composed by a programmable Timer, collecting tank and electro-valves.

### Absolute filter H13:

To obtain a very high filtration level, 99,97% according to norm EN 1822. Particularly suitable for micro-mists and smokes.

### Suction arm\*\*:

Suction arm with 3 joints, including a 360° turning swivel ring and cupboard with handle.

### Carbon Filter\*\*:

Activated carbons for removal of odors from filtered air.

\* Standard for PASCAL \*\* PASCAL M only



Health



Savings



Efficiency



Environment



Safety

F005.121.00  GreyLab.it

# LOSMA<sup>®</sup>

WORKING CLEAN, BREATHING HEALTHY

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