

Losma / Air filters
Argos

Mist Collector

ENG



The new ARGOS series filters are designed for the filtration of oil mists (emulsion as well as neat oil), vapors and smokes deriving from a variety of machining processes. This filtration unit has purposely been conceived for the industrial sector, and its important features lie in its sturdiness, reliability and simplicity in conduction and maintenance. Available in 3 sizes with flow rates ranging from 3.000 to 12.000 m³/h and with increasing filtration efficiency 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



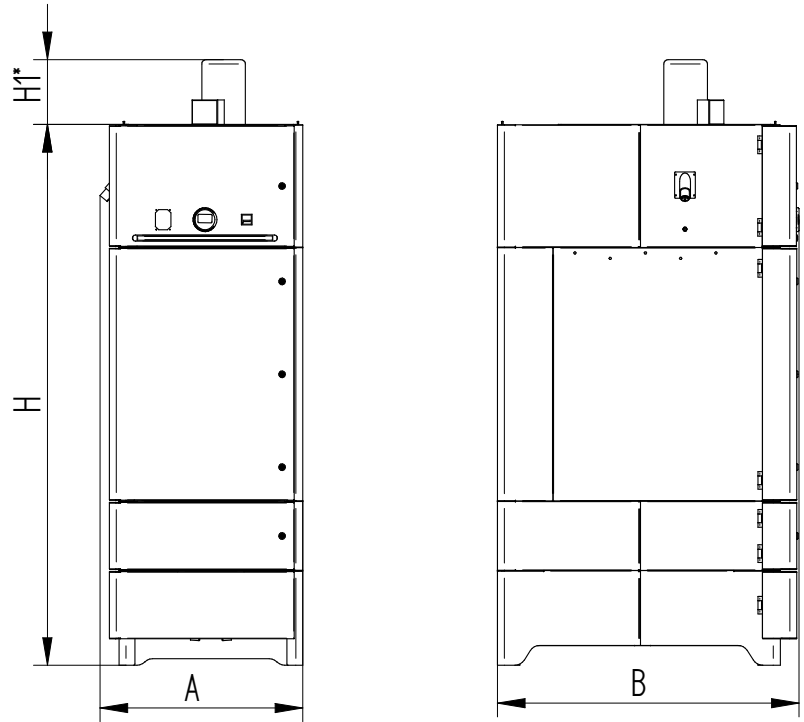
The air entry section, which connects the piping to the filter, consists in a large area which serves as a calming chamber. Inside this area a pre-blasting system "Twist" (optional) can be provided which further facilitates the aggregation of the finer particles by means of a forced, centrifugal effect. Subsequently, the air passes through two separate and reusable filtration stages, a PVC drop separator and a metallic G3 filter.

The next 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 covered by a highly absorbent, coalescent filter which also allows for an even distribution of the air flow over the entire cartridge.

ARGOS is standard-equipped with a manometer to monitor the clogging of the filter elements, and can also be provided with a completely digital system with a display to visualize the main functions and the exclusive system "Led Up", a led strip which signals the clogging of the filter elements by means of different colors. The horizontal positioning of the cartridges allows for quick and easy access and maintenance; access to the filtration chamber is possible through a hinged door. Removal of the filters is simple, fast and clean because the dirty chamber is separated from the clean chamber by a panel which also serves as a support structure for the filter elements.

The recondensed oil mist particles are collected in a large tank which includes an external visual level and (upon request) a pump to automatically remove the collected liquid.

Technical Data



Argos				
Models	Dimensions [mm]			
	A	B	H	H1
ARGOS 3000	1000	1400	2500	210
ARGOS 4500	1000	1400	2500	271
ARGOS 6000	1200	1450	2500	270
ARGOS 8000	1200	1450	2500	340
ARGOS 9000	1500	1500	2900	360
ARGOS 12000	1500	1500	2900	540
ARGOS 15000	1500	1500	2900	590

Argos					
Models	Max air flow	Static pression	kW Installed	N° Cartridge	Filtration surface
	m ³ /h	mm H2O			m ²
ARGOS 3000	3000	100	1,5	2	21
ARGOS 4500	4500	100	3	3	30
ARGOS 6000	6000	100	4	4	38
ARGOS 8000	8000	100	5,5	5	50
ARGOS 9000	9000	100	7,5	6	60
ARGOS 12000	12000	100	11	7	78
ARGOS 15000	15000	100	15	9	95

Optional

Twister:

Helicoidal system which forces a strong centrifugal movement of air, facilitating the aggregation of the oil micro particles.

Transfer pump:

Pump including float for automatic emptying of the liquid collecting tank.

Carbon Filter:

Activated carbons for removal of odors from previously filtered air.

Absolute filter H13:

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

LED up:

Digital system which allows for an easy and rapid visualization of the filter clogging status, thanks to the combination of a manometer and a LED strip using three different colors (green, yellow, red).



Health



Savings



Efficiency



Environment



Safety

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