

OIL



The pocket bag filter with progressive structure was designed and made following multiple requests for operations on whole or emulsified oil mist filters installed on machine tools as lathes, grinding machines, milling and taping machines. It is used to clean the industrial areas, usually centralizing completely the suctioning or working by zones.

Thanks to their simplicity of installation, maintenance and to ample accumulation capacity the OIL series of Aerservice presents a valid alternative to other mechanical or electrostatic devices having a poor ability to separate out oil components, low accumulation capacity and low airflow capacity. The stainless steel version and other specific adaptations are suitable for use in the food industry where in certain applications is permitted to reuse the recovered oil.

CONSTRUCTION FEATURES

- The filter is entirely made of welded steel finished with a powder coating, complete with fastening of the doors by means of specific handlers with hermetic sealing facility; this serves to ensure total elimination of dispersal of air or liquids (oil). A plenum is installed on the filter inlet to direct and slow the air stream.
- The filter section is divided into 2 areas: the pre-filtration chamber in which the air velocity is reduced to ensure low speed transit through the dual stage metal mesh filters and hence a high level of retention of the fluids entrained in the airflow, which precipitate in the lower collection bowl and then enters into filtration chamber which contains soft pocket filter baffles having very high efficiency 99% with filtration class EU6 (to DIN 24185 EN 779), the filters intercept all particulate and any residual traces of oil in the air stream.
- The oil collection bowl is located under the two filtration chambers so that the liquid can precipitate from both of them. The bowl is emptied by means of a manually operated valve.

APPLICATIONS

Treatment oil mist aspirated in centralized systems, thanks to the ratio quality/price they are un exceptional alternative to electrostatic filters.



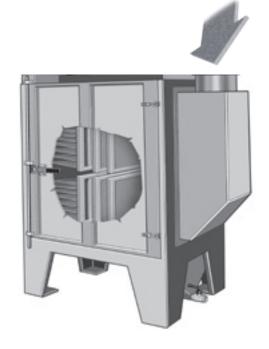


FILTER UNIT FOR OIL FUMES



	TECHNICAL FEATURES						
MOD.	AIRFLOW CAPACITY	FILTRATION EFFICIENCY	DIMENSIONS	FILTERS	WEIGHT		
	m³ / h	%	LxHxP mm	N°	Kg		
30	3000		680 x 1800 x 1450	2	300		
60	6000		970 x 1800 x 1450	2 + 2½	360		
90	9000		1270 x 1800 x 1450	4	400		
120	12000	99	1270 x 2420 x 1450	6	480		
150	15000	- 99 -					
180	18000		1560 x 2420 x 1450	6 + 3½	530		
210	21000		1870 x 2420 x 1450	9	570		
300	30000		1880 x 1900 x 3000	12	600		

^{*} For IN/OUT diameters are recommended and available in optional input/outlet hopper.





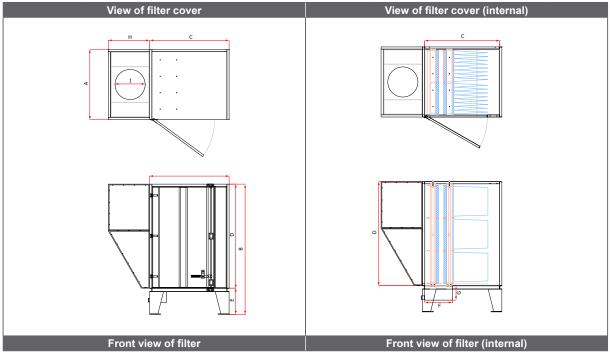




OIL



DIMENSIONS									
MOD.	A	В	C	D	E	F	G	Н	I
	mm	mm	mm	mm	mm	mm	mm	mm	mm
30	680	1800	1450	1320	400	502	265	756	550
60	970	1800	1450	1320					
90	1270	1800	1450	1320					
120	1270	2420	1450	1940					
150	1270	2420	1450	1940	480	502			
180	1560	2420	1450	1940					
210	1870	2420	1450	1940					
300	1880	3000	1900	2520					



ACCESSORIES AND SPARE PARTS



SUCTION FAN

SOUND INSULATED ENCLOSURE FOR SUCTION FANS

DIFFERENTIAL PRESSURE GAUGE



Single suction centrifugal fan in painted steel, having an impeller with welded backward curved blades in heavy gauge steel, suitable for handling very dusty air. Characteristics including high flow rates and medium/high available pressure values, plus the wide range of available sizes (also in special or transmission versions) mean that these units are normally used in centralised extraction systems. The impeller geometry and construction style allow these units to be used in several different fields: exhaust gas, welding fumes, dust-laden fumes with temperatures of up to 80°C and, for the special versions, higher.



Sound insulated enclosure for centrifugal fans to reduce noise levels induced by rotation speed of motors and air flows. Coupling to intake and delivery silencers guarantees a high level of noise suppression. The aluminium loading structure and 25 mm prepainted sandwich paneling impart mechanical strength and resistance to external agents.



Differential pressure device with instantaneous analogical indication of the measured value.

N.B.: This accessory is used to achieve complete and instant control of the condition of the filters.

Mod. Oil	Prefilter packs pocket bag filters			
	N°			
30	2			
60	2 + 2 from 1/2			
90	4			
120	6			
150				
180	6 +6 from 1/2			
210	9			
300	12			