

FUMES & DUST EXTRACTORS



VORTEX

Compact, mobile fume extractors suitable for multiple uses.

High efficiency extractor rangeavailable in three different models, suitable for the extraction and filtration of fumes and dust created from welding, sanding, grinding, and deburring.





WORKING PROCESS

1 Air entry:

The air enters a large inlet pre separator chamber where gravity allows the heavier particulate to fall out of suspension. Solids are calculated in removable collection tray.

(2)



Pre-filter:

Contaminated air passes through special, pre-filtration section with a course panel filter to force large solids to drop out.

3

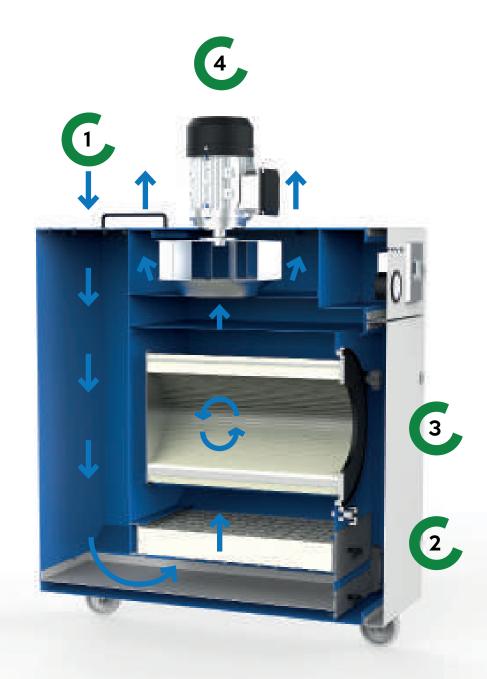
Main filter:

A folded cartridge filter with a wide filtration surface and high filtration efficiency, able to capture the finest pollutant particles. The cartridge is covered by a coalescent sleeve which serves to prolong its life.

4

Air exit:

The filtered air is reintroduced into the working environment (absolute HEPA filter, class H13, available upon request).



VORTEX ADVANTAGES

Controlled filtration efficiency:

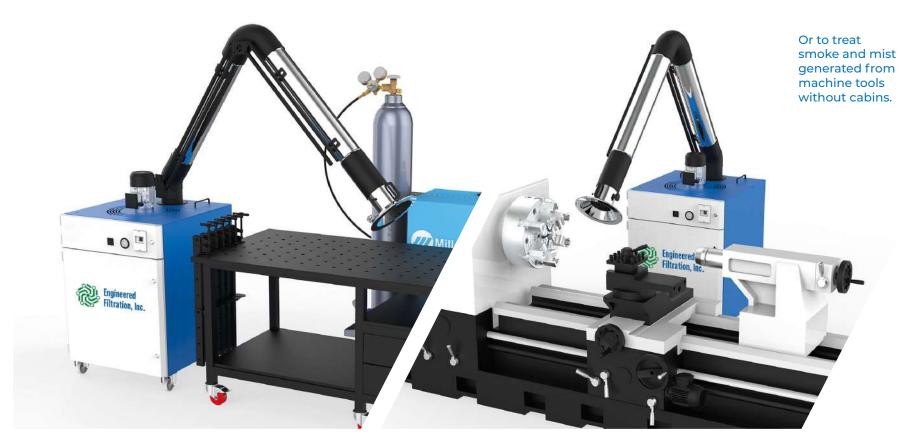
Smoky can be fitted with up to 5 progressive filter elements which can be monitored by a manometer, to maintain the extractor at maximum filtration efficiency.

Versatile:

Different filter elements can be combined to treat smoke and dust without needing to make structural changes to the extractor.



Vortex can be used to treat smoke and dust deriving from welding and grinding machining processes.



Practical to use:

Equipped with pivoting wheels to enable transporation between different work stations, and a jointed suction arm to capture the pollutants directly at the source.

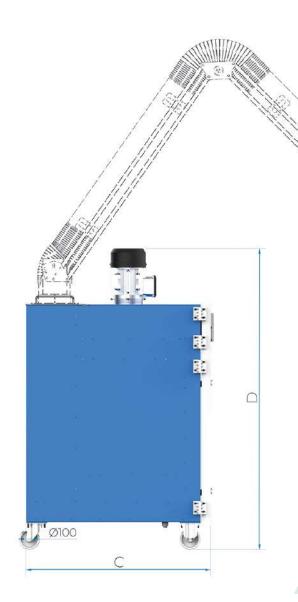
Modular:

Three models with different motor powers and flowrates to suitably match the extractor to the machining application.

VORTEX

DIMENSIONS AND TECHNICAL DETAILS





Vortex] (mm/in)	2 / 3 (mm/in)	
	A	1040/40	1190/46	
	В	700/27	850/33	
	С	900/35	900/35	
	D	1290/50	1460/57	
	E	2500/98	2700/106	





Vortex	Flowrate (m³/h/cfm)	Pressure (mm H2O)	Cartridge (N°)	Filtration surface (m²)	Power (kW/HP)	Weight (Kg/lbs)	Noise level (dB) w/out HEPA
1	1,350/795	110	1	8	0.75/1	116/255	72
2	1,850/1,089	130	2	16	1.1/1.4	152/335	74
3	2,400/1,413	115	2	16	1.5/2	156/343	76



