



Mist Compact

**Centralized static filter
for oil mist abatement**

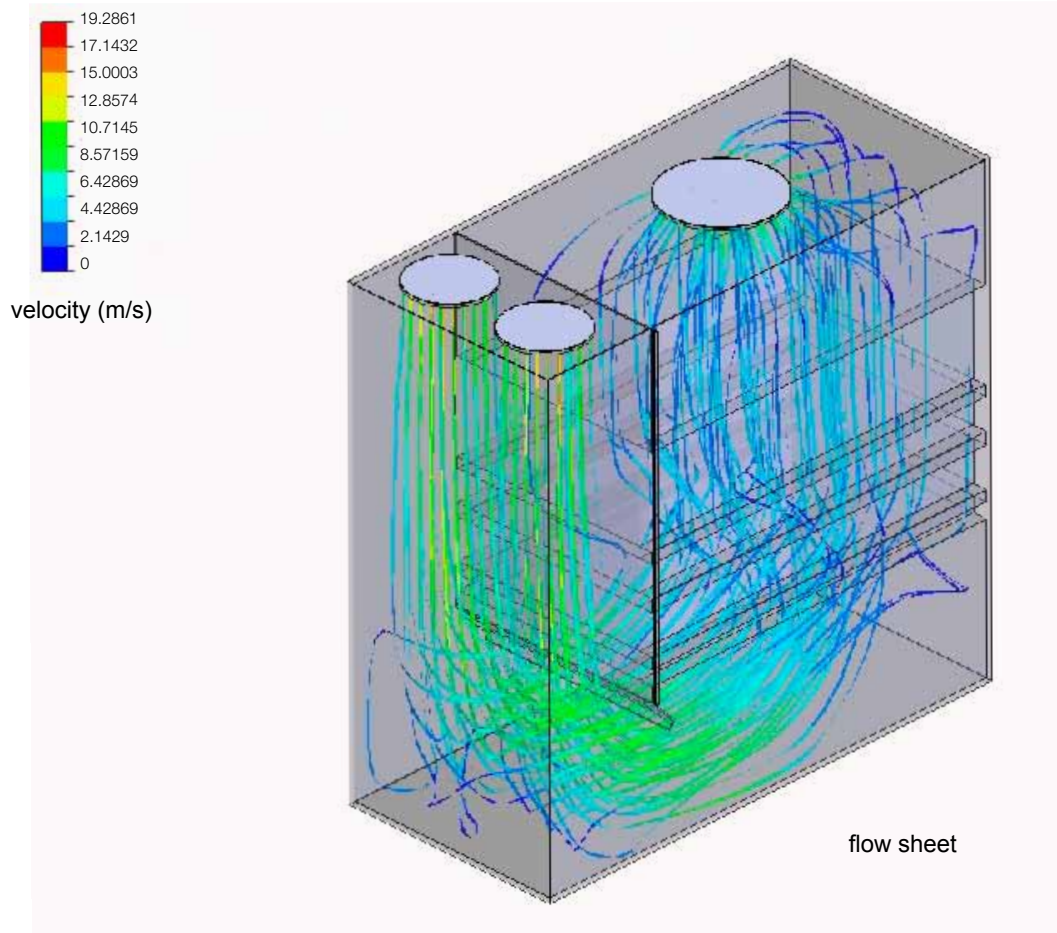
Mist Compact

- 1 Polluted air inlet
- 2 Prechamber
- 3 Prefilter
- 4 Vertical flow drop separator
- 5 Corrugated filter cells in syntetic fiber
- 6 Rigid elliptical bag filters
- 7 Polluted air outlet
- 8 Liquid collector bin
- 9 Manometer



Compact Mist Filter is designed for the construction of centralized systems. It 's a static filter for oil mist abatement, composed of bended modular panels in Carbon Steel epoxy-polyester painted. The structure of the filter has a large inspection panel to facilitate all the assembly and maintenance operations. Inside are installed in sequence, a series of metal mesh pre-filters, vertical flow drop separators, corrugated filter cells in syntetic fiber, and finally, a series of rigid elliptical bag filters class F9 incineratable. The filtered oil flows into the collection containers equipped with manual valve or, on request, via a single exhaust galvanized pipe .

The operation



Polluted air saturated with oil mist passes through a decantation chamber where, due to a strong reduction of flow speed, there is a pre-abatement. After this crucial step, polluted air is directed into a metal mesh filter in which the oily aerosol undergoes an effect of coalescence and the machining solid residue is separated from the gas flow. Once transformed the aerosol into drop, flow pass through a separator with vertical flow, then switch to corrugated filter cell, and finally flow through a rigid pocket filter efficiently F9. The air thus purified is conveyed to the chimney complying with the strictest environmental regulations.

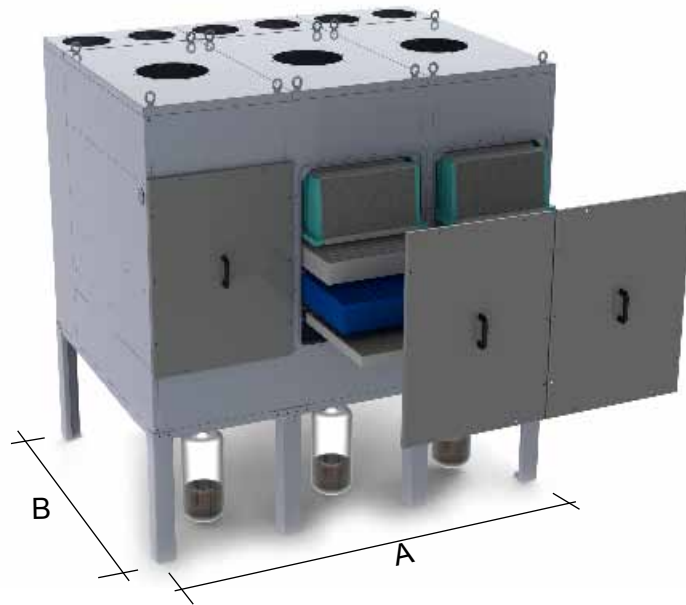


liquid collector bin



manometer

The Mist Compact Range



modello MC006/TS

Model	Flow m³/h	Filter Surface m²				Loss filtering pack mm H ₂ O			Dimensions			input flanges mm	output flange mm
		Metallic mesh.	Drop separat.	Syntetic G4	final F9	begin	rep.	max.	A mm	B mm	H mm		
MC001/TS--	3.000	0,34	0,36	0,85	14	20	80	150	710	970	2125	Ø 250	Ø 250
MC002/TS--	6.000	0,68	0,72	1,7	28	20	80	150	710	1570	2125	2 x Ø 250	Ø 350
MC004/TS--	12.000	1,36	1,44	3,4	56	20	80	150	1420	1570	2125	4 x Ø 250	2 x Ø 350
MC006/TS--	18.000	2,04	2,16	5,1	84	20	80	150	2130	1570	2125	6 x Ø 250	3 x Ø 350
MC008/TS--	24.000	2,72	2,88	6,8	112	20	80	150	2840	1570	2125	8 x Ø 250	4 x Ø 350
MC010/TS--	30.000	3,4	3,6	8,5	140	20	80	150	3550	1570	2125	10 x Ø 250	5 x Ø 350
MC012/TS--	36.000	4,08	4,32	10,2	168	20	80	150	4260	1570	2125	12 x Ø 250	6 x Ø 350
MC014/TS--	42.000	4,76	5,04	11,9	196	20	80	150	4970	1570	2125	14 x Ø 250	7 x Ø 350

Advantages

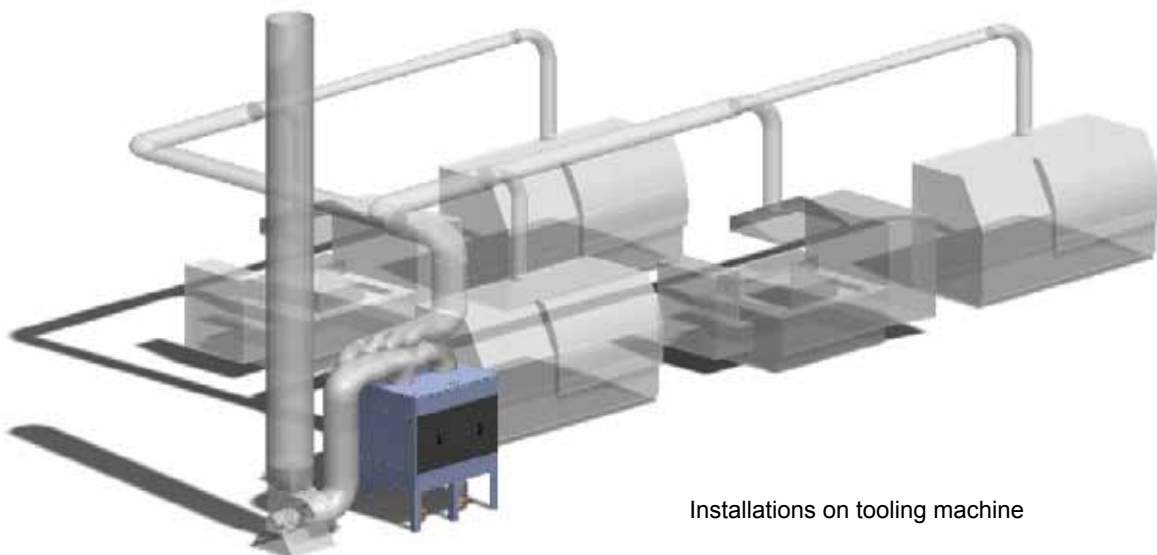
- **Wide range**
- **Easy installation**
- **Optimization of maintenance and related costs**
- **Customized system solutions**
- **Service**
- **Efficiency**



Personalized machine with intergrated fan

Applications

- **General machining operations**
- **CNC**
- **Lathes**
- **Grinding Machines**
- **Broaching Machines**
- **Printers**
- **Vegetable oil nebulization**
- **Etc.**



Installations on tooling machine



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