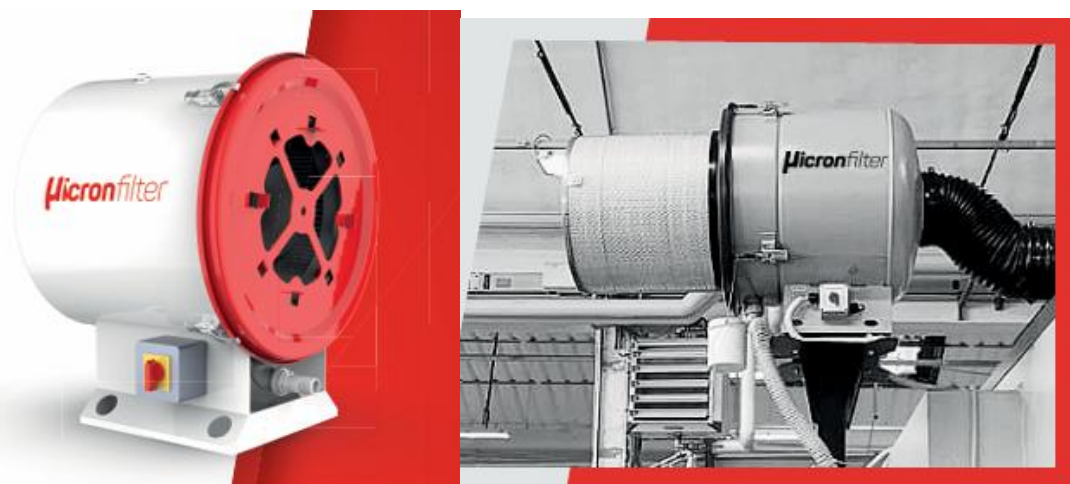


Microil Series

The Microil range of mist collectors are designed to filter emulsified coolant or clean oil from any machine tool. The range consists of seven models, each equipped with different impellers and motors of different power, offering a wide range of suction capacities from 600 to 3000m³/h. The mist collectors can always be combined with pre- and post filtration elements depending on the specific process and materials used. High quality impellers and motors compact dimensions and easy installation provide the perfect combination of performance and versatility.

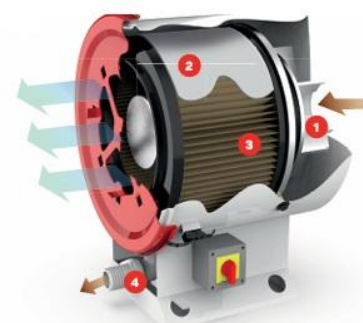


Features:

- Flow rate from 600 to 3000 m³/h
- Triple stage static filtration
- Quick Maintenance

Working Principles:

The mist laden air is drawn from the machine tool into the mist collector by the vacuum created by our special backward curved turbine impeller (1). The air enters the Microil collector housing at a high tangential speed caused by the powerful turbine. A Coalescing action takes place where the small micro-particles of mist gather to form a puddle of coolant. The specially designed turbine impeller is dynamically balanced so that no vibrations are generated or transmitted to the machine tool. The air passed to the second filtration stage, which consists of a replaceable prefilter (2) and a high surface area cellulose filter cartridge (3) (IFA-BGIA Certified, M classification 98% efficiency, DIN EN 60335-2 directive) The dual combination of dynamic elimination and static filtration ensures the high level of performance, equivalent to 98% separation. The oil mist is thus returned to a liquid state and then evacuated. The oil mists brought back to a liquid state are evacuated through the drainage pipe (4).



Due to a very high filtering surface area (3), The latter is IFA-BGIA certified, classified as M with an efficiency of 98 percent according to DIN EN 60335-2. Combining these two components captures up to 98% of polluting micro-

Best application Solutions:

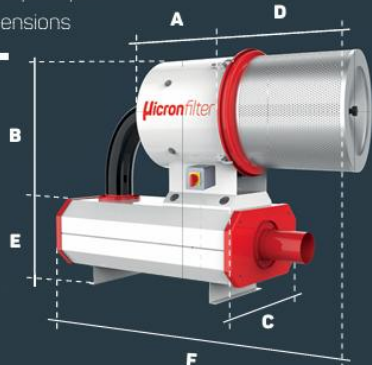
The Microoil filter range is highly efficient and versatile, making it ideal for a wide range of applications, regardless of the type of machinery or material being processed.

The three-stage filtration system ensures optimum efficiency in capturing particles of both pure oil and emulsified coolant.

The impeller is dynamically balanced to eliminate vibration and ensures smooth and efficient operation.

The compact design of the Microoil series combined with its internal electric fan, provides a space-saving solution that can easily fit onto any machine tool.

Dimensioni principali
Main dimensions



Accessori

Accessories

KIT DI INSTALLAZIONE a bordo macchina
comprendente di tubo flessibile di aspirazione,
manicotti flangiati, tubo di drenaggio e
fascette stringitubo.

INSTALLATION KIT on board machine
including suction hose, flanged sleeves,
drain hose and hose clamps.

SELETTORE ON/OFF
ON/OFF SELECTOR

CARTUCCIA POST-FILTRAZIONE
appartemente alla categoria dei filtri
assoluti classe H13 e H14.
POST-FILTER CARTRIDGE with
absolute filter type HEPA H13 and H14.



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Max Air Flow (m³/h)	Power (kW)	Filtration Area (m²)	Ø Inlet (mm)	Gross Weight (kg)
Microoil 600	445	511	411	220	285	800	600	0,25	5,7	100	28
Microoil 800	445	511	411	220	285	800	800	0,75	5,7	100	29
Microoil 1200	445	511	411	220	285	800	1200	0,75	5,7	100	30
Microoil 1500	600	705	595	410	380	930	1500	1,5	14,7	150	55
Microoil 2000	600	705	595	410	380	930	2000	1,5	14,7	150	56
Microoil 2600	600	705	595	410	380	930	2600	1,5	14,7	200	55
Microoil 3000	600	705	595	410	380	930	3000	1,5	14,7	200	56