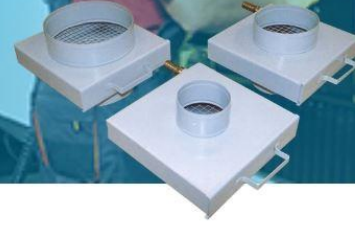


# Pre-Filters

Separate solid oil mist particles



## Vortex

'Vortex' is a brand-new pre-filter which has been specifically designed for use in high volume / low pressure coolant applications, such as multi-spindle machines. The volume of oil used in these applications means traditional oil filters can quickly become saturated, incurring additional replacement and disposal costs.

The Vortex forces the saturated air to spiral, separating the large oil droplets from the air. The remaining oil mist then passes through the Filtermist oil mist collector as normal – oil is collected by both the Vortex and Filtermist unit and returned to the machine, and clean air is exhausted back into the workplace.

## Compact Cyclone

Filtermist cyclones are designed to collect dust and swarf before it enters the Filtermist unit.

The system is attached to the inlet of the Filtermist unit and the contaminated air passes through it. The low-pressure area within the separator encourages the heavier particles to fall to its base where they can be easily removed.

Filtermist has re-designed the cyclone, without impacting on the efficiency of the oil mist collector, into a shorter system to complement its compact extraction units.

## Replaceable & Reusable Filters

A simple, inexpensive addition to the extraction duct, the Pre-filter is a rectangular unit with an integral tray holding a sheet of filtration material or metal mesh. This material can be washed or replaced. Pre-filters should only be used on light dust. Heavier dust/particulate applications may require a Dust/Swarf Cyclone.



## High Efficiency Afterfilters

Afterfilters are designed for the removal of oil smoke and any submicron particles that have passed through the Filtermist oil mist collector unit. The afterfilters are retrofitted to the Filtermist unit and fit easily over the exhaust end of the unit using clips to hold it in place.

The afterfilter is a media type filter cartridge creating a physical barrier through which the air must pass. The filters' life depends on the application and any application producing smoke or very fine oil particles should be fitted with an afterfilter

The filters are constructed of filter media formed into continuous pleats, injection moulded end cap at the top and a fully moulded base with integrally moulded hooks. The pleated media is then supported by aluminium mesh on the outside. There is a foam seal around the base to ensure the air flow passes through the media filter. This construction makes it very light and robust.

Two different types of High Efficiency afterfilter are available for the oil mist collector, the highest grade offering up to 99.95% filtration efficiency.

## Fusion Filter

The Fusion Filter successfully removes submicron particles generated in high-pressure neat oil applications when combined with Filtermist's proven centrifugal technology. Find out more about Filtermist's ['S Fusion'](#) system.

## Stands

Mounting options for quick installation



### CSX Low Level Stand

A combined stand that includes an inbuilt pre-separator ideal for heavy duty applications such as grinding machines. The stand benefits from large access doors to allow easy access for servicing and maintenance. The CSX stand comes complete with 4 locking castors, 90-degree inlet bend, pre-separator and 50mm diameter drain with tap.

NB: CSX is available for FX5002, FX6002 & FX7002 oil mist collectors only. Contact Filtermist for advice.

### Floor Stands

The Filtermist extendable floor stand comes in sections for easy transportation. The stand height is fully adjustable with the base plate pre-drilled for bolting to the workshop floor. Filtermist also offers a low-level stand which enables easy access to the Filtermist unit. The stands are made for the S series and FX series with customised mountings to ensure the oil mist collectors are mounted securely.

### Machine Tool Stands

These versatile stands have been designed to fit directly onto the machine tool where floor space is at a premium and allow the fitting of the units taking into account the location, application, access for ongoing maintenance and size of unit. Machine tool stands are available for S series and FX series units.

## Service & Spares For Filtermist Oil Mist Collectors

Maintaining efficient oil mist filtration



### F Monitor

Filtermist's new monitoring system uses coloured warning lights to advise machine operators when an oil mist collector needs servicing, or if any of the filters are blocked. Filtermist advises that its units should be serviced every 2000 hours they are in use.

F Monitor can be retro-fitted to the complete Filtermist range and is sold as an optional accessory on all oil mist collectors.

### Maintenance Kits

Filtermist provide a range of easy to fit, low cost service and maintenance kits designed for the 1000- and 2000-hour service intervals. Filtermist spares are specially designed to ensure that the oil mist collector constantly extracts efficiently and safely. Always use official Filtermist spares to guarantee that your oil mist collector unit maintains its optimum performance.

### On-site Maintenance

In some countries a full on-site maintenance service is offered – please check with your local distributor for more details.