



## Oil Mist Collectors & Accessories



**S** SERIES  
**FX** SERIES

Filtermist units efficiently remove oil & coolant mist, fume and steam in thousands of manufacturing operations around the world

Compact | Quiet | Efficient

[www.filtermist.com](http://www.filtermist.com)

## Why use Filtermist units ►

- Oil mist is hazardous to your health.
- Oil mist causes slippery floors and can cause damage to electrical switchgear and circuitry.
- Oil mist can lead to coating of ventilation pipes, a potential fire risk.
- Official regulations are becoming increasingly stringent.
- Reduce energy and heating costs by recycling clean air back into the factory.
- No expensive media filters to replace results in low maintenance costs.

## How Filtermist units work ►

- 1 Oil mist is removed at source
- 2 Oil mist is removed from the air by centrifugal impaction
- 3 Clean oil is returned to machine
- 4 Clean air is returned to workplace
- 5 Smoke and fume can be removed and efficiency increased with the addition of a clip-on afterfilter

A perforated drum with specially designed vanes rotates at high speed. Oil mist is drawn into the unit and impacts on its vanes at high velocity. Special drum pads assist the coalescing process and filter out stray solid particles.

Centrifugal force pushes oil to the unit's outer case where it drains back to the machine for re-use or collection and clean air is returned to the workshop through the top of the unit.



## Proven experience ►

UK manufacturer, Filtermist International Ltd, have over 40 years experience in providing oil mist extraction systems around the world.

Filtermist has worked alongside government research institutes and global machine manufacturers to develop the most well-known and well-used oil mist extraction system in the world.

Filtermist units are in operation on tens of thousands of applications, from high precision CNC machining centres to traditional open grinders.

Filtermist is an industry standard from aerospace to medical and automotive to food processing.

Units are available in mild steel and stainless steel with dozens of installation accessories to create bespoke solutions for almost any type of oil mist problem.

Filtermist has announced that from 1<sup>st</sup> April 2014 it will be using IE3 motors on its entire FX series of oil mist collection units.

Classed as Higher Efficiency Motors (HEM), IE3 motors contain more copper than standard motors and use less energy than predecessors, IE1 and IE2. As a forward thinking company, Filtermist has decided to introduce IE3 motors to demonstrate its commitment to both best practice and environmental responsibility.

Filtermist is established in over 60 countries around the globe  
Over 200,000 units sold worldwide

Compact | Quiet | Efficient

# ACCESSORIES

The Filtermist system is complemented by numerous accessories to suit your installation

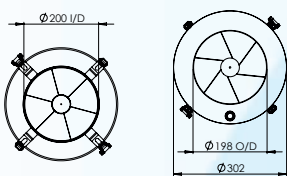
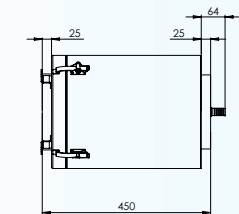
## ACCESSORIES INCLUDE:



### NEW 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 unit 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.

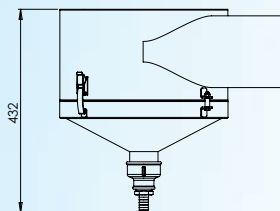
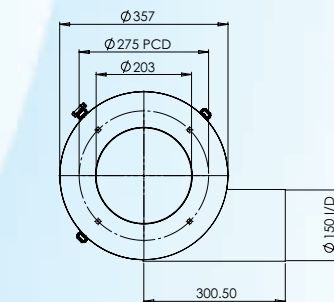


### NEW COMPACT CYCLONE

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 unit, into a shorter system to complement its compact extraction units.

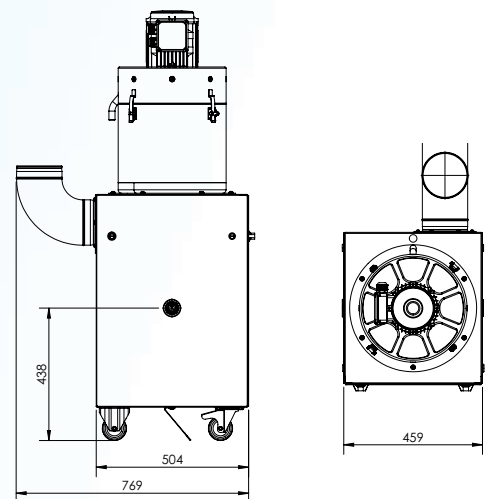


### CSX LOW LEVEL STAND

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, 50mm diameter drain with tap.

*CSX is available with FX5002, FX6002 & FX7002 only. Contact Filtermist for advice.*



Established in over 60 countries

Contact your local distributor to discuss the full range of Filtermist accessories



## 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. The stands are made for the S series and FX series with customised mountings to ensure the units 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.



## AFTERFILTERS

Afterfilters are designed for the removal of oil smoke and any residual fine mist particles. The afterfilters are in addition to the Filtermist unit and are used on applications where the exhaust air needs to be 'polished' before returning to the workshop.

Filtermist supply a range of afterfilters to fit both the S series and FX series.



## **F** MONITOR **NEW**

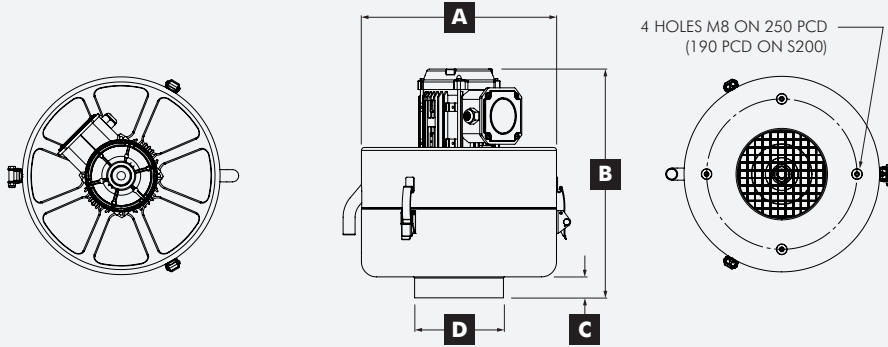
Filtermist's new monitoring system uses coloured warning lights to advise machine operators when a unit needs servicing, or if any of the filters are blocked. Filtermist advises that its units should be serviced every 2000 hours they are in use.

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

## MAINTENANCE KITS



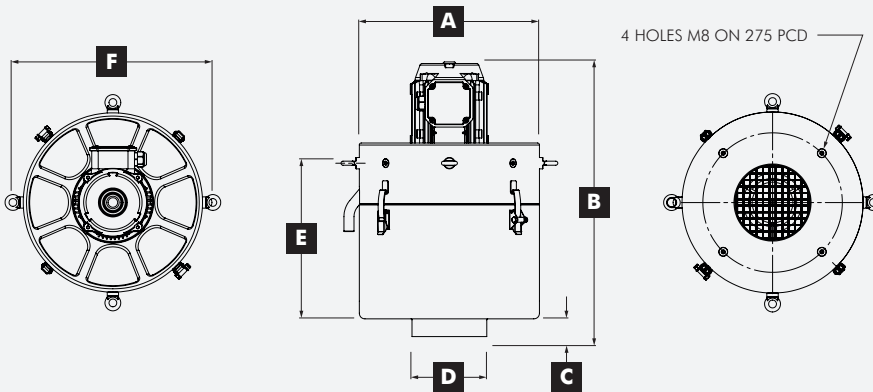
Filtermist provide a range of easy to fit, low cost service and maintenance kits designed for the manufacturer's recommended service intervals. Filtermist spares are specially designed to ensure that the unit constantly extracts efficiently and safely, including their exclusive fibre technology drum pads. These pads are designed to utilise the latest filter technology to provide greater surface area to collect increased amounts of oil mist; resulting in a more efficient pad. Always use official Filtermist spares to guarantee that your oil mist extraction unit maintains its optimum performance.



The new compact S series with airflows from 180m<sup>3</sup>/hr to 950m<sup>3</sup>/hr



Model	Airflow m <sup>3</sup> /hr	Motor <sup>1</sup>		A mm	B mm	C mm	D mm	Weight kg	Noise <sup>2</sup> dBA
S200	180 @ 50Hz 215 @ 60Hz	0.18kW 50Hz 200v, 220v, 380v, 400v, 415v	0.18kW 60Hz 220v, 230v, 240v, 440v, 460v, 480v	260	302	30	73	9	62
S400	425 @ 50Hz 500 @ 60Hz	0.55kW 50Hz 200v, 220v, 380v, 400v, 415v	0.55kW 60Hz 220v, 230v, 240v, 440v, 460v, 480v	325	381	35	148	14	65
S800	800 @ 50Hz 950 @ 60Hz	0.55kW 50Hz 200v, 220v, 380v, 400v, 415v	0.55kW 60Hz 220v, 230v, 240v, 440v, 460v, 480v	325	435	35	148	15	67

**FX SERIES**


The Filtermist FX series has 4 models from 1250m<sup>3</sup>/hr to 2750m<sup>3</sup>/hr



Model	Airflow m <sup>3</sup> /hr	Motor <sup>1</sup>		A mm	B mm	C mm	D mm	E mm	F mm	Weight kg	Noise <sup>2</sup> dBA
FX4002	1250 @ 50Hz 1500 @ 60Hz	1.1kW 50Hz 200v, 220v, 380v, 400v, 415v	1.1kW 60Hz 200v, 220v, 230v, 440v, 460v, 480v	357	544	35	148	309	398	25.8	70
FX5002	1675 @ 50Hz 2000 @ 60Hz	1.5kW 50Hz 200v, 220v, 380v, 400v, 415v	1.5kW 60Hz 200v, 220v, 230v, 440v, 460v, 480v	357	634.5	35	198	378	398	31.8	71
FX6002	2000 @ 50Hz 2400 @ 60Hz	2.2kW 50Hz 200v, 220v, 380v, 400v, 415v	2.2kW 60Hz 200v, 220v, 230v, 440v, 460v, 480v	438	638.5	35	198	432	485	36.8	73
FX7002	2750 @ 50Hz	2.2kW 50Hz 200v, 220v, 380v, 400v, 415v	not available	438	638.5	35	198	432	485	36.8	73



# Efficient oil mist removal

Proven reliability since 1969



EDM / Spark Erosion



Grinding



Machining Centres



Industrial Saws



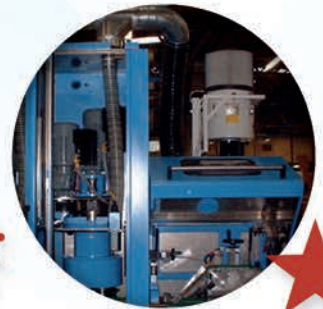
Food Processing



Lathes



Parts Washing



Special Purpose

## Filtermist Customers Include

ABB	Eaton Corporation	Kawasaki	Renault
AEG	Fiat	Koyo	Rolls Royce
Airbus	Ford	Lufthansa	Samsung
BAE Systems	GE	Makino	Siemens
Black & Decker	General Motors	Matsuura	Timken
BMW	GKM	Mercedes Benz	Toyota
Borg Warner	Haas	Mitsubishi	TRW
Bosch	Hardinge	MOOG	UTC
Caterpillar	Honda	Nissan	Volkswagen
Cincinnati Milacron	Hyundai	NSK	Yamazaki Mazak
Citizen	Ingersoll Rand	Okuma	Zanussi
Dacia	Jaguar Land Rover	Panasonic	Zeiss
Dana Corporation	JCB	Peugeot	
Doosan	John Deere	Philips	

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