

AX SERIES

The original centrifugal impact
filter-less oil mist collector

No need for expensive
paper replacement filters!

95% —
efficiency at $1\mu\text{m}^*$



- ✔ Cost effective and simple to maintain
- ✔ Compact & lightweight
- ✔ Manufactured in the UK
- ✔ Technical support in over 60 countries

Protecting People
Cleaner, safer, more
productive workshops

*Testing carried out in house under lab conditions



Why use Filtermist units?

- Oil mist is hazardous to health
- Oil mist causes slippery floors and can cause damage to sensitive electrical switchgear and circuitry
- Oil mist can lead to coating of ventilation pipes - a potential fire risk
- Official regulations are becoming increasingly strict around the world
- AX units help to reduce energy and heating costs by recycling clean air back into the factory
- No expensive media filters to replace meaning low maintenance costs

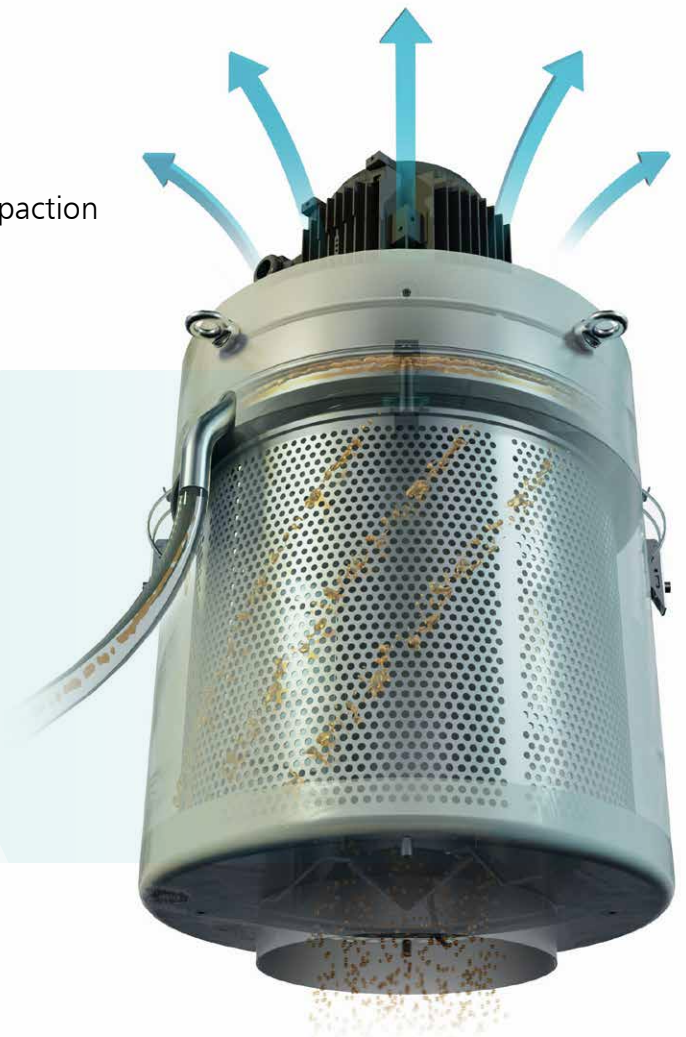
How AX units work

- 1 Oil mist is removed at source
- 2 Oil mist is removed from the air by centrifugal impaction
- 3 Clean oil is returned to the machine
- 4 Clean air is returned to the workplace

A perforated drum containing four specially designed vanes rotates at high speed.

Oil mist is drawn into the drum where it impacts on the vanes at high velocity, causing the mist to coalesce. Special drum pads assist the coalescing process, filter out stray solid particles and reduce noise.

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



Proven Experience

UK manufacturer, Filtermist Limited, has been providing effective oil mist filters since 1969. Its products are trusted by world leading manufacturers to protect people from harmful airborne oil mist particles.

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 oil mist collectors are an industry standard in many sectors including aerospace and automotive, medical device manufacture and general precision engineering.

Local support in more than
60 countries worldwide



Part of Absolent
Air Care Group



Milling
Drilling
Turning
Machining

AX oil mist collectors can be used on Machining centres, Lathes, Industrial Saws and other machining operations that generate airborne oil mist particles.

They are designed to be direct mounted – freeing up valuable floor-space.



Declaration of Conformity

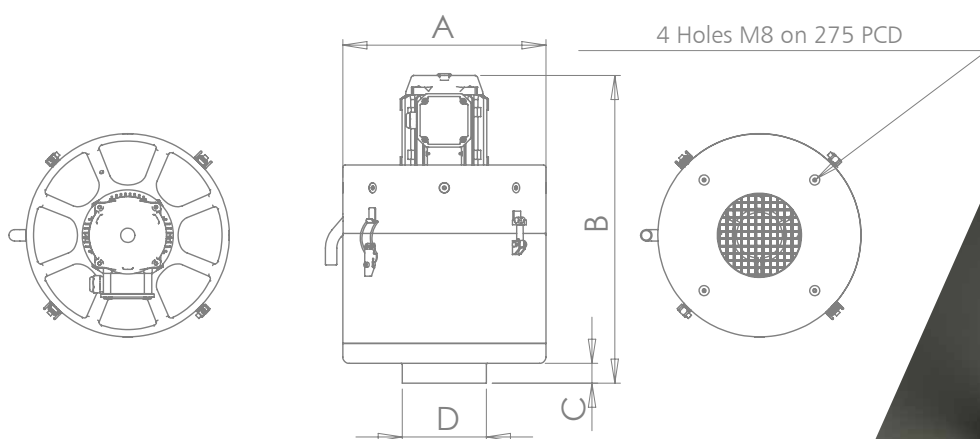
EC DECLARATION OF CONFORMITY		FILTERMIST	
Manufacturer's name:	Filtermist Limited	Machinery covered by this declaration:	
Full address:	Filtermist Limited Telford S4 Business Park, Nedgla Hill, Telford, TF3 3AL, England	Description:	Oil Mist Filter
Authorized Representative:	Absolent AB	Function:	To be fitted to machinery to extract oil fumes
Full address:	Säsongsvägen 1 SE-531 46 Lidköping Sweden	Type:	AX Series
		Model:	AX10, AX20, AX30
		Serial No.:	See unit
The machinery conforms to all the requirements of the Machinery Directive 2006/42/EC.			
This machinery also conforms to the following Directives:		EMC Directive 2014/53/EC RoHS Directive 2011/65/EU	
The following standards have been used:		EN12100-2010, EN 60204-1:2018, EN ISO 14120:2015, EN ISO 13857:2019	
The technical file is compiled in accordance with part A of Annex VI of the Machinery Directive 2006/42/EC.			
Person authorized to compile the technical file (Based in the European Community):	Name:	Absolent AB	
	Address:	Säsongsvägen 1 SE-531 46 Lidköping Sweden	
The relevant authorized person undertakes to transmit, in response to a reasoned request by the national authorities, relevant information on the machinery. This information will be transmitted by: (email, post)			
Person authorized to make this declaration:	Name:	James Standfield	
	Position in company:	CEO	
	Signature:		
	Place of Declaration:	Filtermist Limited Telford S4 Business Park, Nedgla Hill, Telford, TF3 3AL, England	
	Date of Declaration:	January 1st 2023	

AX SERIES

Range & Specification



Model	Airflow m ³ /min	Motor ¹		A	B	C	D	Weight kg	Noise ² dBA
AX5	7 @ 50Hz 8 @ 60Hz	0.55kW 50Hz 200v, 220v, 380v, 400v	0.55kW 60Hz 200v, 220v, 230v, 440v, 460v, 480v	325	374	35	148	16.85	65
AX10	13 @ 50Hz 16 @ 60Hz	0.55kW 50Hz 200v, 220v, 380v, 400v	0.55kW 60Hz 200v, 220v, 230v, 440v, 460v, 480v	325	427	35	148	17.85	67
AX20	21 @ 50Hz 25 @ 60Hz	1.1kW 50Hz 200v, 220v, 380v, 400v	1.1kW 60Hz 200v, 220v, 230v, 440v, 460v, 480v	357	532	35	148	28.8	70
AX30	33 @ 50Hz 40 @ 60Hz	2.2kW 50Hz 200v, 220v, 380v, 400v	2.2kW 60Hz 220v, 230v, 440v, 460v, 480v	438	642	35	198	41.4	73



95% —
efficiency at 1µm*

- ✓ More productive employees
- ✓ Lower cleaning costs
- ✓ Consistent component quality
- ✓ Optional afterfilters available for even cleaner air

