



FOX WM2 OIL / COOLANT MIST COLLECTORS

FOX WM2 SERIES:
2500 • 5000 • 7500

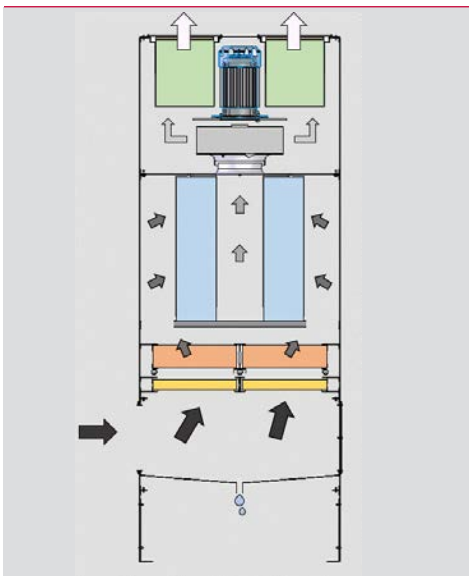
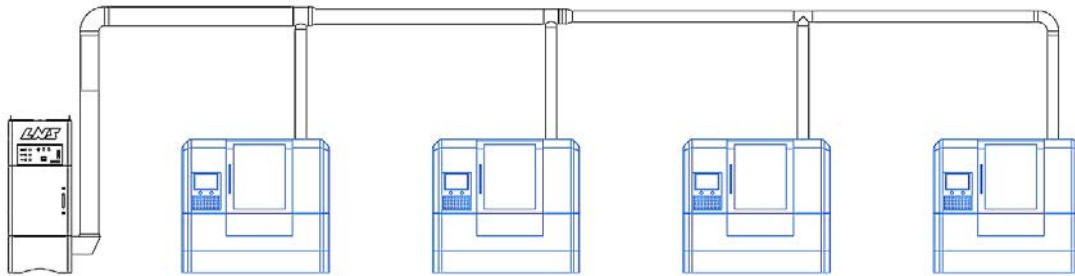


PERIPHERAL VISION

For CNC machine tool peripherals, it's **LNS**, then all the rest

The Fox WM2 series represents the ideal solution for the filtration of oil mist for large machining centers, connecting multiple machine tools or for when large air flow rates are required.

Designed with the same level of high quality engineering and reliability of the smaller Fox WS 2 series, the WM2 unit can completely eliminate mist, aerosol and smoke typical of wet machining processes exceeding OSHA and NIOSH guidelines for mist concentration for industrial air quality. Fox WM2 unit is modular in its flow rate and available in 2500, 5000 and 7500 CFM versions.



Guaranteed Filtration – Principle of Operation : Three (3) Stages

1st Stage – COALESCING

Multilayered Metallic Filtration

Washable metallic mesh that allows the removal of chips and larger particles of oil to coalesce for efficient draining.

2nd Stage – PRE-FILTRATION

Proprietary Multilayered Filtration

Special media with progressive filtration levels that allow the removal of large particles of oil but provides slow and efficient draining effect.

3rd Stage – MAIN FILTRATION

Proprietary High Surface Area Filtration

Extended filtration area, made of a multi-media arrangement with a filtration level above 99% (measured according to AFNOR NFX44-060) removing the finer particle sizes.

4th Stage - Absolute Filtration (Optional):

Absolute filter HEPA H13 with efficiency equivalent to 99.95% MPPS according to EN 1822 which completely eliminates aerosols and dry smoke or other particles.



Employee Health and Safety

It is unhealthy for employees to inhale the pollution produced by today's machining processes. Even clean machining environments contain air pollutants, including some that are too small to see. The FOX WM2 series collects airborne oil/coolant mist and purifies the air to a level that far exceeds the OSHA and NIOSH air quality recommendations (5.0 mg/m³ and 0.5 mg/m³, respectively). The air quality near an LNS FOX WM2 mist collector is typically 0.2 - 0.3 mg/m³. Reducing air pollutants with LNS FOX mist collectors contributes greatly to employees' health, safety, and in turn keeps your production running more efficiently.



Easy Maintenance

Maintenance requires less than ten minutes (complete replacement of filters). The result is a considerable saving in time and costs across the life of the unit. Additionally, guaranteed reliability is due to the special impeller and to the high quality of the components, each thoroughly selected and tested. Average filtration life is 4,000 operating hours* with water-soluble coolants. Units are mechanically guaranteed for three (3) years.

*Process and application specific

Installation Ease

The suction inlet port is versatile – it can be placed on the left, right or rear depending on the machine configuration or space allowance. Suction inlet placement can be determined on-site during installation.

Reversible Hinged Door with Metal Door Key

Flexibility to have the door open from the left or right depending on your installation needs for easy access to the filters.

Drainage

Sloped drainage tank with integrated P-trap



Performance Monitoring with Digital Pressure Switches

To maximize each filter's life, the WM2 is designed with digital air pressure switches to provide ease of maintenance. Indicator lights clearly show each filter's clogging or pressure difference, so it is simple to determine when to replace each filter. These indicators simplify filter maintenance, so that the unit can run at optimum continuous efficiency. It is recommended that the internal filters be replaced once per year or every 4,000 hours* of mist collector operation.

*Process and application specific



Electrical cable

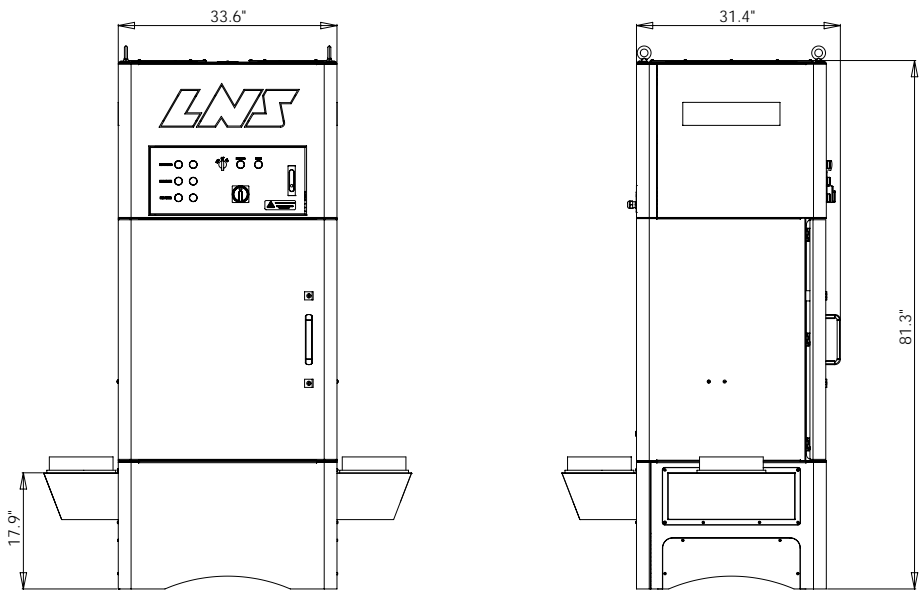
25' of electrical wire inside conduit for installation flexibility

Options

- Frequency inverter
- Remote filter monitoring
- Custom paint
- Venturi pump kit
- Hard pipe kit

Technical specifications*		60 Hz
Air flow**	[cfm]	2350
Static pressure	[in of WC]	9.2
Motor	[hp]	5.5
Amps	[230V]	14.8
Weight	[lb]	662
Sound level	[dB(A)]	79
Inlet Diameter	[mm in]	250 (10)

** With HEPA filter installed
All units painted in RAL 7035/7016
Information is subject to change without notice



PERIPHERAL VISION
Peripherals, by definition, are an outer boundary. But at LNS, that boundary is where we put our focus. Because here's the secret—with LNS peripherals on your side, you can turn your attention to what you do best—making chips and making money.
That's why we do what we do. Five product categories and industry-best expertise means no company on earth can match the passion and vision we have for machine tool peripherals.



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