

ZeroMist™ OM2400

Specifications



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Generally for medium-to-large sized machine tools, ZeroMist™ OM 2400 units can be connected by ducting to one to four machines, dependent on size. They can be installed on the floor along side or behind the machine tool.

- Air Flow:** 2,400 CFM
- Motor Power:** 7.5 HP, 3,450 RPM
- Weight:** 1,700 lbs.
- Filters:**
 - (2) Stage 1 Filter
 - (2) Stage 2 Filter
 - (2) HEPA Filter
- Filter Media:**
 - (4) Deep Fiber Bed Filters,
 - (2) 99.995% Efficiency HEPA

Ergonomics

- Easy access controls and display per OSHA specifications
- Low maintenance requirements
- No tools required for maintenance
- Integrated Silencer, quiet enough for normal conversations
- Removable filter doors with lift off hinges and keyless / tool-less access

Green Features

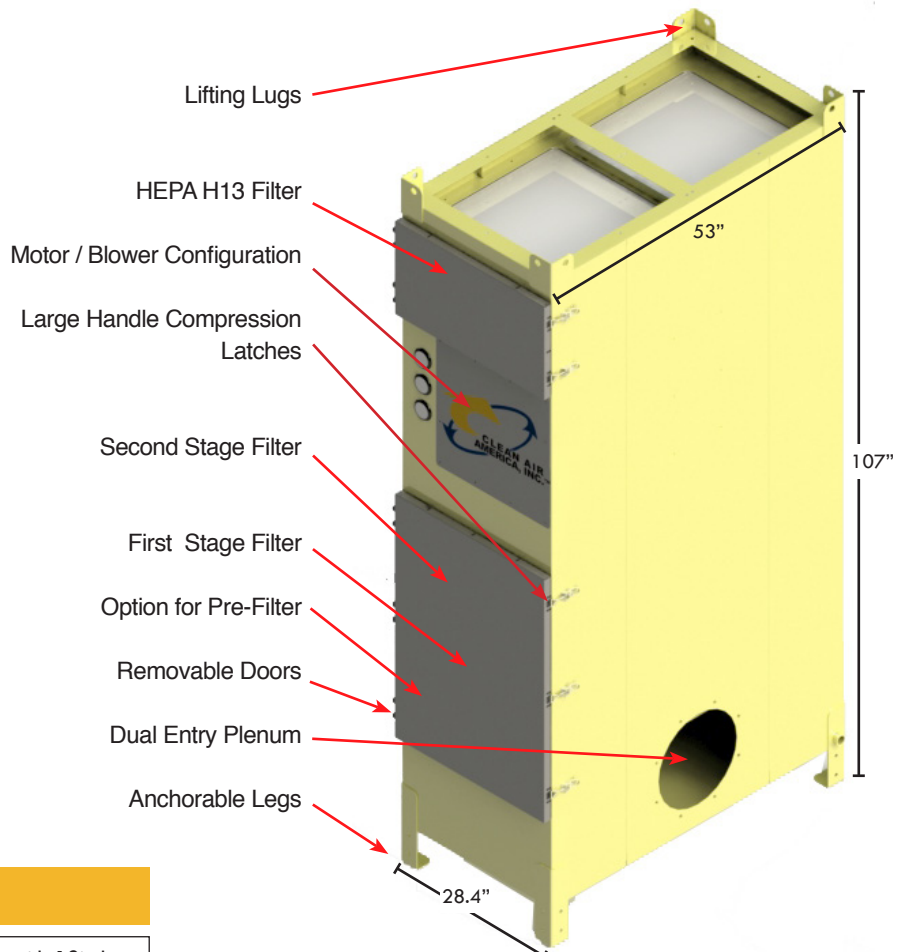
- Longest filter life in the industry
- Cleanest Air in the industry, fiber bed filter design combined with H13 HEPA filtration cleans the air beyond OSHA standards
- Powder Coating has no VOCs or off gasing
- 100% Recycled Steel
- True air cleaning means no ventilation to the outside
- Economizer Option: automatic starting and shut down feature
- Motor Option: upgrade to premium efficiency motor
- Variable Frequency Drive (VFD)
Optional: Reduced power consumption with integrated soft starting feature
- Maximum efficiency is achieved through proper air speed control using the Variable Frequency Drive
- Optional return pump for automatic lubricant recycling

Options

- Return Pumping System with 12in leg extensions
- Premium Efficiency Motor
- Custom Color Powder Coating Finish
- Central Control Panel
- Variable Frequency Drive
- NEMA 12 Electrical Enclosure

Blower & Motor

- Blower: Backward inclined, air foil high efficiency plug type
- Direct drive, no belts or chains
- Three phase or single phase input power
 - 3PH: 208V (31A), 230V (28A), 460V (14A)
 - 1PH: 120V (100A), 208V (55A), 230V (50A)
- 7.5
- 3,450 RPM motor
- Air volume of 2400 CFM



True Fiber Bed Technology. Health and safety are the main reasons to have a mist filtration system. Fiber bed technology allows the mist to condense on the fibers of the filters and form micro-droplets. These micro-droplets grow until the liquid has condensed into a large enough droplet to drip off the filters and drain to the bottom of the plenum and reservoir areas. This keeps the filters from clogging and allows the system to operate for extremely long times without maintenance. The key to keeping this system operating is air flow rates. By constantly measuring the air speed through the filters, the optional Variable Frequency Drive (VFD) is able to keep the air speed at peak efficiency for maximum air cleaning with the minimum power consumption.