



United Air Specialists, Inc.

a CLARCOR company

SMOG-HOG® MSH

Make a big impact in a small space

Smog-Hog® is the most recognized name for effective removal of mist and smoke within the metalworking industry. Our electrostatic precipitators (ESPs) have been cleaning the air and recycling machining fluids for companies around the world for more than four decades. And now, a smaller, more compact Smog-Hog is available for airflows up to 600 CFM—the MSH model. Like our other ESPs, the MSH is a self-contained mist collector that can be mounted directly onto machining centers or nearby using ducting. Oil and water-based machine mists, fumes and smoke are drawn into the system and then sent through a highly efficient coalescing pre-filter and large ESP collection cell, with clean air re-circulating back into the plant for a cleaner, healthier work environment.



Vertical Model

Benefits

- **Reduced maintenance** – The combination of a high-efficiency Mist-Stop pre-filter and large capacity ESP cell enables the MSH to capture three to four times the amount of machine fluid than other similar sized collectors. So, fewer cleanings are necessary, and the unit can run for longer intervals between servicing.
- **Better smoke removal** – With its variable speed motor, operators can easily adjust the MSH to airflows up to 600 CFM.
- **No more filter replacements** – ESP cells can be easily washed, so there's no need for costly media filter change outs.
- **Lower operating costs** – The MSH only requires a 115 volt electrical supply which can be provided virtually anywhere.
- **Long-term reliability** – The MSH uses a motorized direct drive impeller, backward curved wheel, so there is less downtime spent changing worn drive parts.
- **Less downtime** – A heavy-duty latched door provides easy access to the ESP filtration section, while the blower compartment is reachable through a set of quick access bolts.



The MSH is ideal for collecting machine tool coolant mist.

COMPACT ELECTROSTATIC MIST COLLECTORS



Horizontal Model

To ensure a mist- and smoke-free work environment, the MSH provides optimized extraction velocities for most machine enclosures.

Specifications

DIMENSIONS:	27.5" x 16.4" x 15.4" – Horizontal* (698.5 mm x 406 mm x 381 mm) 16.4" x 29.9" x 15.4" – Vertical (406 mm x 736.6 mm x 381 mm) <i>*Includes 1-1/2" drain fitting and 3" high leg set.</i>
INLET OPENING:	13.4" x 12.3" (4048 mm x 3149 mm) – Horizontal 15.2" x 16.3" (4633 mm x 4968 mm) – Vertical
WEIGHT:	102 lbs (46 kg) – Horizontal 112 lbs (50.8 kg) – Vertical
SHIPPING WEIGHT:	137 lbs (62 kg) – Horizontal 147 lbs (66.7 kg) – Vertical
CABINET:	Fully welded 16 gauge steel, electrostatically powder coated finish
AIRFLOW:	200 to 600 CFM (5.7 to 17 m ³), variable speed control
COLLECTION AREA:	90 ft ² (8 m ²)
FILTRATION:	1st Stage – Proprietary mist-stop pre-filter 2nd Stage – ESP collection cell 3rd Stage – Aluminum mesh after-filter
POWER SUPPLY:	Solid-state electronic circuitry enclosed outside of airstream
INPUT POWER:	100-120V/1P/60Hz/1.4A (max.)
MOTORIZED IMPELLER:	¼ HP (185 watt) backward curved, direct drive rated 500 CFM @ 1" w.g.
SOUND LEVEL:	68.4 dBA @ 3 ft., 64.9 dBA @ 5 ft.
EFFICIENCY:	99.9%

Applications

Bolt Makers	Quenching
CNC	Rubber Forming
Cold Forming	Screw Machining
Gear Cutting	Soldering
Heat Treating	Threading
Induction Heating	Wet Drawing
Lathes	Wet Grinding
Plastic Forming	

Options & Accessories

- Ceiling and wall mount kit
- Pedestal mount kit
- 6" or 8" Inlet collar (horizontal only)
- 6" or 8" Flex hose
- Drain loop assembly
- Drain bottle
- Vibration isolation kit
- 15' Power cord
- 208-230-460V/3/60Hz input power

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MSH Air Performance Curve

