

Vertical Oil Mist Collectors

TECHNICAL DATA

AerPro™ **VOMC-Series** **Vertical Oil Mist Collectors**

**CNC MACHINE TOOLS ▶ GEAR MACHINES ▶ GRINDERS ▶ PARTS WASHERS
▶ SCREW MACHINES**

IMPROVE WORKING AND SAFETY CONDITIONS BY REMOVING IN-PLANT OIL MIST

VOMC 3000 with HEPA on automotive oil mist stands



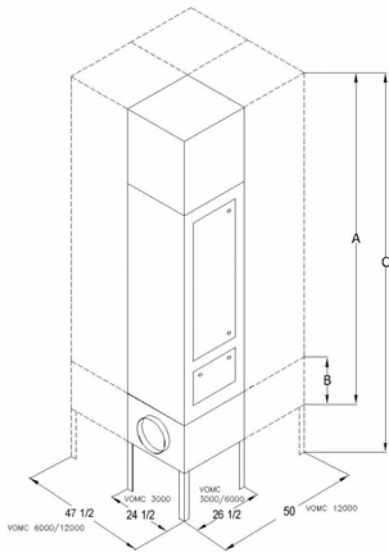
AerPro offers solutions to your air quality problems with the VOMC Series. Due to higher speeds and increased cutting fluid pressure, today's machine tools produce more mist. The VOMC Vertical Oil Mist Collector has been engineered to collect mist at the source, efficiently filter the air, return the clean air back to the plant, and the captured oil back to the sump for re-use.

AerPro's new VOMC Series allows you to select the correct filter solution to meet your needs with our modular approach and 14-gauge construction. Oil mist is generated from straight oils to various water soluble or synthetic mixtures. As a result, some of these mixtures may produce sticky or slimy film that can blind filter media. No other filter offers a **standard** triple track pre-filter section. This three-section pre-filter allows your AerPro distributor to select the proper pre-filters for your application.

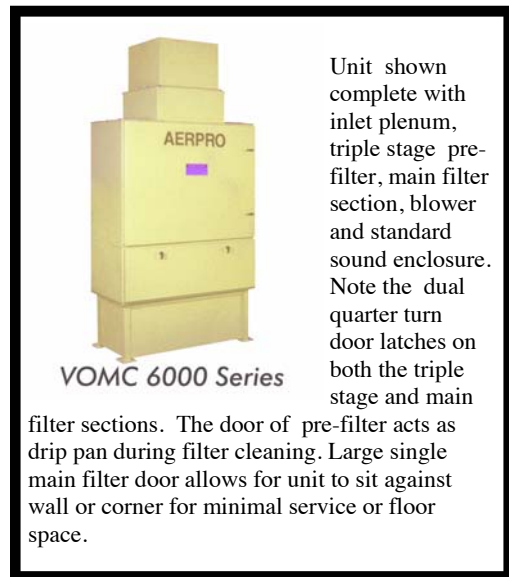
For example, using high-pressure semi-synthetic coolant to machine aluminum, a triple impinger section may be the best selection. But on another coolant that tends to gel, the selection might consist of one impinger section with back-to-back washable polyester deep pad filters. The pre-filter section is most important in protecting the main 95% efficient filter. Smoke, fumes and odors may be removed with the addition of an optional HEPA filter (99.97% efficient at 0.3 microns) module and/or carbon module.

Features & Benefits

- Quiet.....All VOMC's come standard 85 dBA or less; optional sound attenuator for 78 dBA or less
- Strong 14-gauge construction both inside and out. Tracks won't bend and break. A stronger cabinet gives better filter sealing and reduces the potential for bypass. The VOMC Series is designed for industry, not a commercial product converted to do an industrial application. No 16, 18 or 20 gauge components.
- Fully welded aluminum BI (Backward Inclined) direct drive blower, with TEFC motor give long life. No weak squirrel cage bearings and high maintenance belts and pulleys.
- Standard welded inlet plenum with large 2" NPT drain, allows heavy swarf application to drain easily.
- Triple stage pre-filter section is standard – 12" of pre-filter available. Increases main filter life.
- Full 36" long, 10 - pocket, 126 ft², 95% (ASHRAE 52-76) micro-glass filter bags with dual sewn loops. No compromising on smaller bags that drastically reduce air to cloth ratio.
- All access doors have full piano welded hinges for total support and long life. One main filter access door and one prefilter access makes for an easy, clean, and simple filter change out.
- All units come with the motor pre-wired to the junction box and an indicator running light. This feature allows for easy installation and monitoring. (Optional push-button enclosure upon request)
- One 4" Dia. Magnehelic gage is provided in a recessed cabinet door section with an optional space for a second gage for easy filter monitoring.



Model	VOMC 3000	VOMC 6000	VOMC 12000
A	104"	104"	104"
B	18"	18"	18"
C	122"	122"	122"
Inlet Dia.	12"	16"	(2) 16"
Add for HEPA	23 1/2"	23 1/2"	23 1/2"
Add for Carbon	28"	28"	28"



Specifications:

All 14 gauge welded construction, painted inside and out in air-dried enamel finish, AerPro beige – 2" flanged drain - (1) Magnehelic pressure gage – Heavy duty 18 gauge aluminum chevron style impinger with large easy-grip handle – Internal door filter seal – Welded lift/mount plates on top four corners of blower module – Vee-bag filter support rods access door (s) for easy main filter change-out – Direct drive non-sparking welded aluminum BI blower wheel mounted to TEFC motor – Motor is pre-wired to a junction box with indicating run light. (Unless specified motor always wired for 460/3/60 with junction box mounted on front left-hand side of blower module.)

MODEL	VOMC 3000	VOMC 6000	VOMC 12000
CFM RATING	2000-3000	4000-6000	8000-12000
WELDED INLET PLENUM WITH 2" DRAIN	STANDARD	STANDARD	STANDARD
INLET COLLAR COMES STANDARD	(1) 12" DIA.	(1) 16" DIA.	(2) 16" DIA.
TRIPLE STAGE PRE-FILTER, 4" ALUMINUM CHEVRON IMPINGER, 4" POLYPAD, AND ONE SPARE TRACK	STANDARD	STANDARD	STANDARD
MAIN FILTER SECTION INCLUDES 95% (ASHRAE) MICROGLASS, FULLY SUPPORTED 126 FT ² VEE-BAG	1 @ 126 FT ²	2 @ 252 FT ²	4 @ 504 FT ²
DIRECT DRIVE BLOWER ALUMINUM BI	3 HP	5 HP	7.5 HP
BLOWER RATING	3000 @ 2"	6000 @ 2"	12000 @ 2"
(Approximate) TOTAL WEIGHT	515	940	1795
OPTIONS			
FLOOR STAND (Part # Model number + FL) (From floor to inlet bottom)	18" High	18" High	18" High
HEPA MODULE* W/ 99.97% EFFICIENCY @ 0.3 MICRONS (Part # Model number + H-99) * Module comes standard with 4" multivee prefilter. OPTIONAL FILTER MAY BE 95% DOP (Part # # Model number + H-95)	Module is 24 1/2 x 26 1/2 x 20 H @ 140#s	Module is 26 1/2 x 48 1/2 x 20 H @ 225#s	Module is 48 1/2 x 48 1/2 x 20 H @ 435#s
CARBON MODULE* (number of trays and carbon capacity) (Part # # Model number + C) * Module comes standard with 1" polyester after filter. Note: If Potassium Permanganate or another blend is used the weights will vary.	(12 TRAYS @ 90 LBS.) Module is 24 1/2 x 26 1/2 x 28 H @ 200#s	(24 TRAYS @ 180 LBS.) Module is 26 1/2 x 48 1/2 x 28 H @ 350#s	(48 TRAYS @ 360 LBS.) Module is 48 1/2 x 48 1/2 x 28 H @ 680#s
OPTIONAL HIGH PRESSURE BLOWERS (Part # # Model number + HP)	5 HP	7.5 HP	10/15 HP
PREFILTER CHOICE: Triple 4" multi-vee (Part # # Model number +)	MV-3X	MV-6X	MV-12X
PREFILTER CHOICE: Triple 4" Impingers (Part # # Model number +)	I-3X	I-6X	I-12X
PREFILTER CHOICE: Triple 4" Polypads (Part # # Model number +)	PP-3X	PP-6X	PP-12X
ELECTRICAL CONTROLS (Contact factory)			

Distributed by

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