

# Compact Vertical Oil Mist Collectors

## TECHNICAL DATA



VOMC 1000 Series

### **AerPro™ COMPACT VOMC 1000 Series**

**IMPROVE WORKING & SAFETY CONDITIONS BY REMOVING IN-PLANT OIL MIST FROM TURNING CENTERS – VMC'S – HMC'S – GRINDERS**

**GEAR CUTTERS – PARTS WASHERS – SCREW MACHINES**



VOMC 1000 Series

Industry plays a key role in keeping it's work environment safe, clean, and healthy. The **very quiet 67 dBA** AerPro VOMC 1000 Series provides a compact and economical solution for removing fugitive dust, mist, and smoke. As OSHA continues to consider lowering concentration<sup>1</sup> levels for oil mist, the AerPro VOMC 1000 Series can assist in keeping you within the new guidelines.

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.

<sup>1</sup> (The current limit is 5 mg/m<sup>3</sup> total exposure limit with the new proposed limit of 0.5 mg/m<sup>3</sup> . This recommendation is from the joint study between NIOSH and (MWFSAC) Metalworking Fluids Advisory Committee.)

### **Features & Benefits**

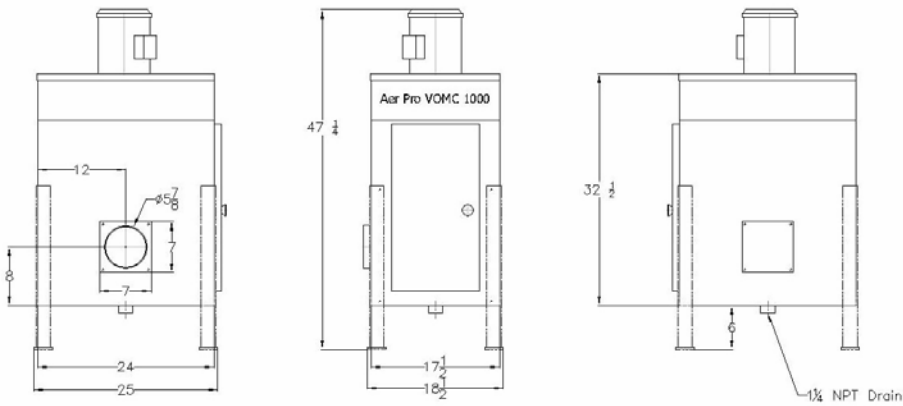
- **Quiet**.....67 dBA provides excellent work environment
- **Strong**....all 14 gauge welded construction provides rigid filter support
- Right or left hand 6" inlet collar (left hand comes as standard mount)
- Fully hinged door with internal filter seals
- Triple Track Pre-filter Section
  1. – 4" Heavy duty, yet light weight, 18 gauge aluminum chevron style mist eliminator impinger for heavy concentration of mist. The design permits washing with power-wash or steam.
  2. – 1" Aluminum mesh acts as coalescer to aid in drainage
  3. – 4" Polyester pad washable pre-filter to aid in drainage and prolong main filter life. Excellent for dust, and sticky oily contaminants.
- Main Filter - The 95% efficient (ASHRAE 52-76) micro-glass easy to handle box filter
- 1 HP Direct Drive FRP molded blower wheel and cone for long life and low maintenance.
- Minihelic pressure gage indicates when filters need to be changed
- AerPro (sand beige) painted inside and out. (Special colors upon request.)
- 2 year warranty

#### **Dry filter option**

This unit can also be configured in many ways to suit your dry filter requirements. How? By reconfiguring the pre-filter section and main filter section. Multi-vee and mini-pleat filter combinations can replace the normal impinger and polypad.

AerPro distributor's have an average of 20 years experience in solving indoor air quality problems, therefore it is always best to consult with your local AerPro distributor.

# AerPro™ new compact VOMC Series




Above VOMC 1000 shown with optional HEPA filter. Adds 14" to height..

Unless specified, the unit will ship with the inlet on the left hand side. Unit has right hand cover plates for switching inlets. Unit is pre-wired for 460/230/3/60. Unit weighs 229#’s.

## Options:

- Complete mounting kit: includes (1) 6" Dia. inlet mounting flange, drain kit, 5'-0" 100% polyester/urethane premium flex hose, and (2) 6" hose clamps
- 110/1/60 with off/on switch mounted next to pressure gage
- Smoke filters consist of a absolute disposable final filter for the removal of smoke and fumes. There are two types of final filters available: 99.97% @ 0.3 microns or the 95% DOP tested filter.
- 8" Inlet
- Odor control and Group D motors



**Application:** Solving operator complaints about burnt paint and alcohol fumes.

The unit to the left is a Model VOMC 1000 with slotted side inlet hood complete with dual 4" multi-vee pre-filters, 11 pound throwaway carbon filter with Group D motors and switch and 2" casters.

The application required the filter device to have extreme flexibility. The unit sits on top of a steel work table for airframe repairs. While burning off paint and wiping the product clean with alcohol, the Model VOMC side drafts the fumes and returns the air-condition air back to the room. The casters allow the operator to position the unit easily.

AerPro has been manufacturing quality air products for over 10 years. Today its products Are sold and serviced by the best experienced distributors throughout North America and the Far East. Other quality AerPro products and services include the 350 – 12,000 CFM VOMC Oil Mist Collectors and HFC Horizontal Filter Collectors, the 800 - 1500 CFM shaker bag dust collectors, SB-800 DT downdraft table series & the WetAer wet dust collectors.

*Distributed by*

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