



## Oil Mist Collectors

ProVent MachineMaster Oil Mist Collectors are an industry standard for the safe and effective removal of airborne process oil and coolant from industrial machining operations. They use multi-stage, mechanical filtration making them reliable, efficient, and easy to maintain.

MachineMaster Oil Mist Collectors are an affordable solution to common machining oil mist problems and can be fitted to existing operations easily.

### Standard Features

- **Integral High Efficiency Fan Assemblies**
  - AMCA Rated, Integral Direct Drive Fan Assemblies with Keyless Concentric Bushings.
- **Multi-Stage Filter Cleaning**
  - Exceptional strength-to-weight ratio. Non-conductive and slip resistant.
- **12 Gauge Steel Construction**
  - Solid welded heavy steel for superior strength and longevity.
- **Convenient Module Door Access**
  - Filter change-outs are simple with large doors for filter access .
- **ASHRAE Rated Filter Flows**
  - Provides 99.5% efficiency down to .5 micron.
- **Urethane Mastic Coating**
  - Durethane DTM by PPG chemically resistant and extremely durable. Provides excellent corrosion resistance and has superior color and gloss retention.
- **Magnahelic Gauge**
  - Provides pressure reading for ease in determining needed filter replacement and maintenance.

### FILTER CELLS

#### STAGE 1

Aluminum chevron type mist eliminator 24" x 24" x 4", prevents swarf, shavings , large particles and large fluid droplets from entering filters.

#### STAGE 2

Aluminum mesh pre-filter 24" x 24" x 1", traps larger oil or water mist particles, which drain down into plenum.

#### STAGE 3

10 pocket, lofted fiberglass V-bag filter, 95% (ASHRAE 52-76) 24" x 24" x 36", provides final air filtration prior to exhausting back into ambient air. 126 sq. ft. of area per filter.



## Popular Options

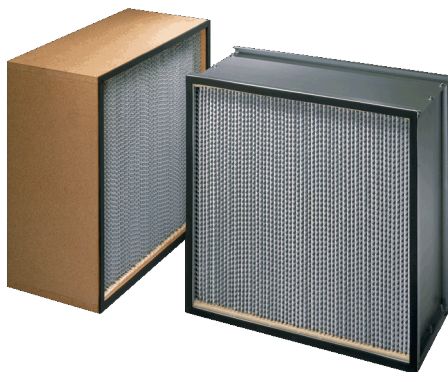


Carbon filter cell is used in cases where odors, gases, and vapors are associated with a process. Filter trays are removable and refillable. Activated carbon may be replaced with potassium permanganate. Available on models 1500 CFM and above.

All ProVent equipment is available in painted or unpainted stainless steel. Popular with the food processing industry, stainless steel provides cleanliness and longevity to the equipment.



ProVent Silencers reduce the noise level produced by the exhausted air.



Optional HEPA cell can be added where increased filtration is needed.

# Specifications

| Model                                  | MMJR<br>(LS,Standard,HS)           | MM-2000<br>(LS,Standard,HS) | MM-4000<br>(Standard,HS) | MM-6000<br>(Standard,HS) | MM-8000<br>(Standard,HS) | MM-12,000<br>(Standard,HS) |
|--|------------------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| Air Volume,<br>CFM                     | 400/600/1000                       | 1,500/2000                  | 4,000                    | 6,00                     | 8,000                    | 12,000                     |
| Static Pres-<br>sure, Total<br>wg      | 3.3" / 4" / 5.5"                   | 4" / 4.5" / 7.5"            | 4" / 7"                  | 4" / 7"                  | 4" / 8.5"                | 6" / 9"                    |
| Static Pres-<br>sure, Exter-<br>nal wg | .8" / 1.5" / 3"                    | 1" / 1.5" / 4.5"            | 1" / 4"                  | 1" / 4"                  | 1" / 5.5"                | 3" / 6"                    |
| Motor, HP                              | .75 / 1 / 2                        | 2 / 3 / 5                   | 5 / 7.5                  | 7.5 / 10                 | 10 / 15                  | 20 / 25                    |
| Motor RPM                              | 3450                               |                             |                          | 1800                     |                          |                            |
| Voltage                                | 460V / 3Ph / 60Hz                  |                             |                          |                          |                          |                            |
| Stage 1<br>Impinger<br>QTY             | 1                                  | 2                           | 3                        | 4                        | 6                        |                            |
| Stage 1<br>Impinger                    | 24" x 24" x 4" Aluminum Washable   |                             |                          |                          |                          |                            |
| Stage 2<br>Mesh QTY                    | 1                                  | 2                           | 3                        | 4                        | 6                        |                            |
| Stage 2<br>Mesh                        | 24" x 12" x 1" Galvanized Washable |                             |                          |                          |                          |                            |
| Stage 3<br>Final Filter<br>QTY         | 1                                  | 2                           | 3                        | 4                        | 6                        |                            |
| Stage 3<br>Media Size                  | 24" x 24" x 12"                    |                             | 24" x 24" x 36"          |                          |                          |                            |