

Model OM6000DD

Specifications and Technical Data

TYPICAL APPLICATIONS

Source Capture of:

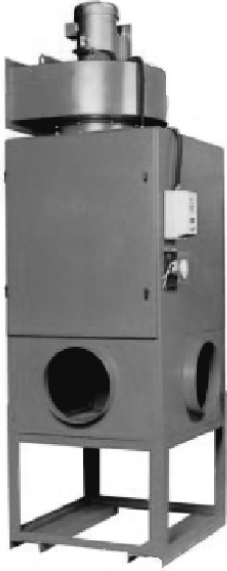
- Oil Mist, Smoke From Multiple CNC's
- Welding Smoke or Other Dusts

Features:

- 6000 CFM Nominal
- High Capacity Allows for Multiple Pickups
- Special Oil Mist Filters
- Three-Stage Filtration
- Side Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Variety of Inlet Sizes
- Cam Lock Positive Filter Sealing System Ensures No By-Pass
- Full Range of Options

Options:

- Floor Stand.
- HEPA Filtration
- Carbon Modules.
- Motor Starter and Overload Protector.
- Start/Stop Switch.
- Silencer.



Specifications

OVERALL DIMENSIONS: 89"H X 36" W X 42" D(WITH STAND, LESS MOTOR)

WEIGHT: 750 LBS - ACTUAL; 825 LBS - SHIPPING

CABINET: 14 GAUGE WELDED GALVANEAELED STEEL WITH EXTERIOR SURFACES GROUND SMOOTH.

FINISH: INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT.

PREFILTERS: FOUR 16" X 20" X 2" BAFFLE-TYPE OIL IMPINGERS AND FOUR 16" X 20" X 2" ALUMINUM MESH FILTERS.

STANDARD PRIMARY FILTER: FOUR 16" X 20" X 36" 95% AVERAGE EFFICIENCY* 8 POCKET OIL MIST BAG FILTERS. 65% EFFICIENT* OR 95% AVERAGE EFFICIENCY* BAG FILTERS ARE ALSO AVAILABLE.

FILTER ACCESS: SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS.

FILTER SUPPORT: FILTER SUPPORTED BY ROD THROUGH HEAVY-DUTY LOOPS.

MOTOR: SINGLE SPEED, 208-230/460 VOLT, 60HZ, THREE PHASE, TEFC, MOTORS AVAILABLE IN 3, 5, 7 1/2, 10, AND 15 HP.

BLOWER: DIRECT DRIVE, HIGH STATIC, BACKWARD INCLINED PLUG FANS.

AIR VOLUME: 6000 CFM NOMINAL. CONSULT FACTORY BLOWER CURVES FOR SPECIFIC PULLEY AND FILTER RATINGS.

FILTER CHANGE INDICATOR: MAGNAHELIC GAUGE IS STANDARD.

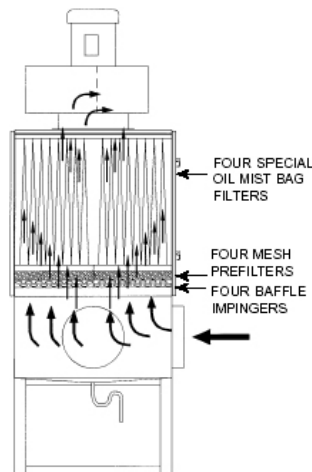
ELECTRICAL: 208/230/460 VOLT, 60HZ, 3-PHASE. WIRING EXTENDED VIA CONDUIT TO SIDE OF UNIT FOR EASY INSTALLATION.

OIL DRAIN: 1" NPT PIPE COUPLING(FEMALE).

MOUNTING: FLOOR STAND IS STANDARD.

HOW IT WORKS

Oil mist laden air flows through the inlet or inlets into the bottom plenum. The air then turns 90 degrees and goes upward through the four baffle impingers and then the four aluminum mesh prefilters. These filters remove most of the oil. Finally, the air goes through the four 95% oil mist bags. These special filters remove any remaining mist and smoke. The filters are lined with a special media that facilitates draining of the oil back into the plenum. Clean air is then discharged at the top of the unit. Oil drains out the bottom of the plenum, pollution-free.



Specifications subject to change without notice. *All efficiencies are per ASHRAE 52-76.

Sold and Serviced by:

L2251-02/05