



Patent #8,273,162

WOLVERINE BRAND RECIRCULATING MOLECULAR AIR SCRUBBER MODEL RMS-800

self-contained odor control,
no external venting needed

Simple Solutions Distributing has been designing and building molecular air scrubbers for the wastewater industry since 2003. With the introduction of the RMS-800 we introduce our first recirculating odor scrubber for indoor organic odor control (VOCs).

The RMS-800 is perfect for sludge press and screening rooms, evidence rooms, morgues, funeral homes, cannabis grow and processing operations, or anywhere volatal organic compounds (VOCs) are causing an unwanted odor and where venting the filtered air to the outside is either not desired or not practical.

The RMS-800 has a small footprint just 24" by 24" and a height of 60-1/8". It can be customized for individual applications. It comes standard with 250lbs of activated carbon and a Merv 7 prefilter to remove mold spores, dust, skin cells and any particles from 3.0 to 10.0 microns.

Specifications:

Two stage filtration system with:

- Merv 7 pre-filter (3.0-10.0 micron) for removal of mold spores, dust and other contaminants
- 7.5 cf carbon bed. (250 lbs) of GC-C40 activated carbon to remove terpenes and other odor causing molecules.
- Contact bed time .56 seconds (56/100).

800 CFM industrial pressure blower

- Standard voltage - 110-220/1/60
- Optional voltages/phase - 208-230/460V/ 3 phase.
- CSA/UL Listed motor and electrical components
- Housing made of 16-gauge carbon steel (stainless available as an option)

NEMA Magnetic Motor Starter - 110/240VAC Coil Volts,

Overload Relay Amp Setting: 1 to 16A

Height: 60-1/8" (152.3 cm)

Diameter: 24-inch (61 cm)

Weight: 160 lbs empty / 410 lbs with carbon

Inlet: Radial up-flow filter with .125" inlets spaced on centers 3/8" with 40% open space

Inlet to carbon bed - surface area 1,447 square inches

Inlet to air plenum - surface area 290 square inches

Outlet: 5-inch pipe - surface area 19.6 square inches

Two 4-inch fill ports

Magnehelic differential pressure gauge

- Pressure drop of empty housing at 800CFM 2.5 in/H2O
- Pressure drop filter with full load of carbon at 800 CFM 3 in/H2O

Condensation drain

6-inch diameter inner air plenum

Built in skid for easy lifting to maneuver unit

(4¾" x 1¾" - 15¼" on center)

Sound level: 80 dB

4 lift points for mounting to winch to assist in mounting above workspace

Slide-in casters for fork-lift slots

Option:

- Full control panel with optional variable speed drive and hands-off operating (HOO)