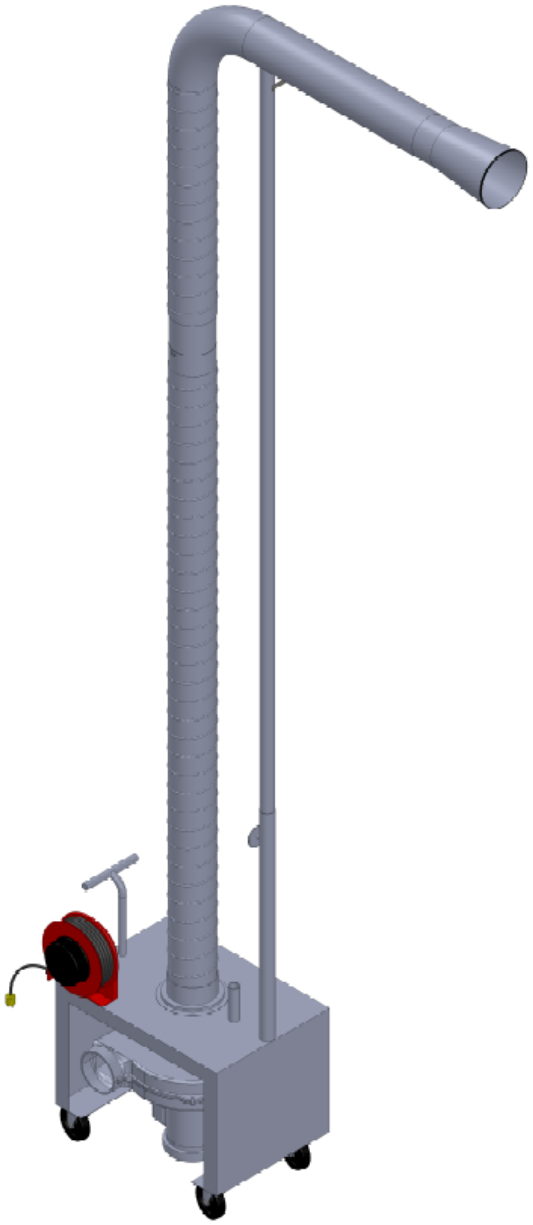
MONOXIVENT®

Source Capture Systems

Operation and Maintenance Manual

Portable Eliminator
PVSC-T-MTR & PVSC-B-MTR



MONOXIVENT - SOURCE CAPTURE SYSTEMS

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ASSEMBLY FOR THE PVSC-MTR, THE ELIMINATOR

A. INSPECT FOR DAMAGE TO ANY COMPONENT THAT RESULTED IN SHIPMENT. IF DAMAGE IS FOUND, IMMEDIATELY CONTACT THE SHIPPING COMPANY AND FILE YOUR CLAIM. OBVIOUS OR CONCEALED DAMAGE IS YOUR RESPONBILITY TO MAKE THE CLAIM.

REQUIRED ASSEMBLY STEPS:

1. UPPER MAST, NOZZLE, HOSE: The upper mast has a bolt on one end. Remove the bolt and nut and insert the end of the mast into the sleeve welded on the nozzle. Install bolt and tighten bolt and nut. DO NOT OVER TIGHTEN HARDWARE. BRING NUT INTO CONTACT WITH SLEEVE AND FIRMLY SNUG NUT.

2. UPPER MAST INTO LOWER MAST: CAUTION – OBSERVE OVERHEAD CLEARANCE BEFORE RAISING UPPER MAST UP TO INSTALL. Be sure that the black knob on the lower mast is unscrewed all the way out so the upper mast can slide down into the lower mast without obstruction. Using a ladder, lift the upper mast assembly straight up and carefully climb the ladder just enough to drop the bottom end of the upper mast into the top of the lower mast. Lower the upper mast into the lower mast slowly. DO NOT LET THE UPPER MAST DROP FREELY. We advise that a second person be used during this step to hold the ladder and assist guiding the bottom end of the upper mast into the top of the lower mast. Upper mast will slide into the black rubber safety boot mounted on the lower mast. Be sure to screw the black knob back in a few turns.

1, HOSE STORAGE MAST: This mast has a small black cap on the end. You will note on the handle end of the base that there are (2) sets of (4) pre-drilled holes. The mast can be mounted on either the left or right set of holes.

2, 25' DISCHARGE HOSE: Install the 25' of hose onto the hose storage mast. The hose has a high compression rate and will store into a short stack. Put end of the hose over the mast and begin to stack hose onto the mast until all hose is fully stored. The hose has a metal sleeve and a holding clamp attached.

3, OPTIONAL 12" STORAGE MAST: This mast is an optional accessory and if your PVSC-MTR was ordered with this accessory, then simply bolt the mast to one of the (4) holes located on the end of the base opposite the handle.

6. OPTIONAL UNDER CHASIS EXHAUST PIPE NOZZLE: This nozzle is an optional accessory and if your PVSC-MTR was ordered with this accessory, then simply store this nozzle on the 12" storage mast.

OPERATION OF THE PVSC-MTR

Your new PVSC-MTR is ready for use. Please note that the fan can rotate so the discharge can be positioned out either side of the base. This rotation permits the fan to face in the direction that you want the discharge hose to be placed.

With the PVSC-MTR ready, you will want to practice and use the unit before you use it on your vehicles. Follow these easy steps in order to learn how to use the unit.

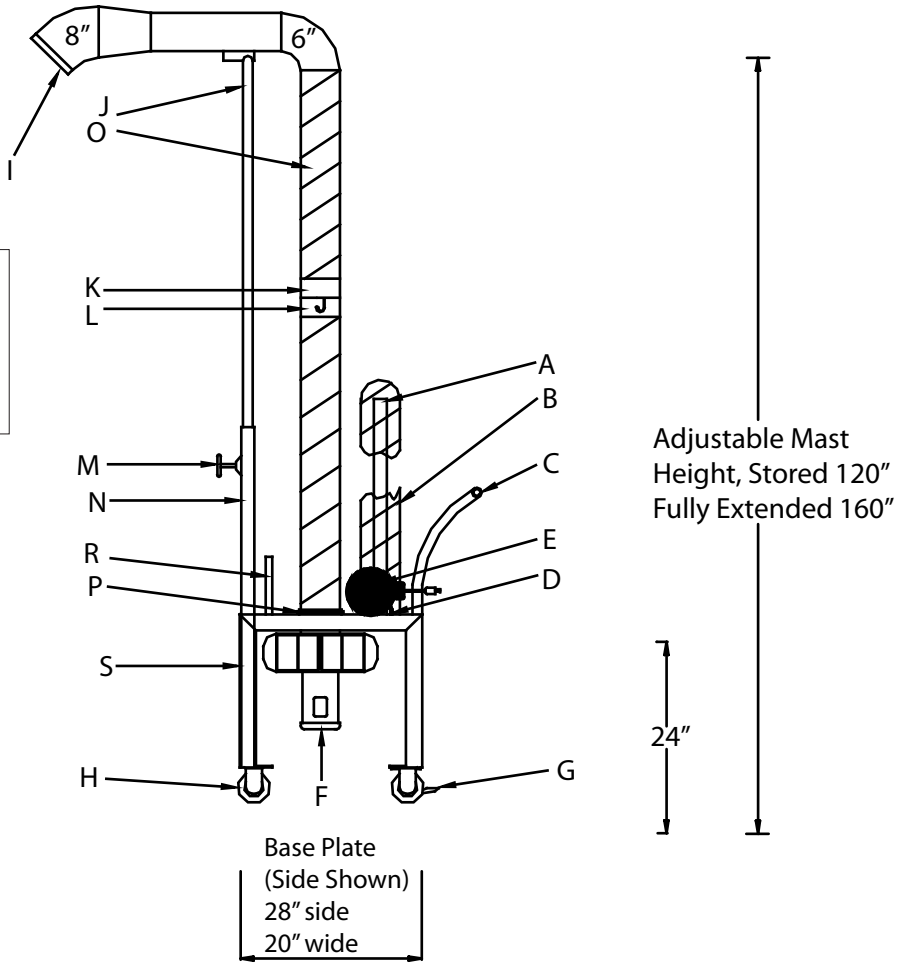
1. Always lock foot brake when using the PVSC-MTR.
2. Practice raising and lowering the upper mast with the nozzle. This is best accomplished by standing on either side of the unit and using both hands. Raise the mast by pushing up alternating hands so one hand can be free to lock mast in place by tightening the black knob. Lower the mast by hand over hand. DO NOT FREE FALL.
3. The mast can be positioned anywhere between its lowest stored position and its highest point.
4. You may find that you do not have stacks as high as the upper nozzle mast can reach. You may also find that you may have some very short stacks that the mast will not go low enough. Please note that the upper mast can be removed and shortened if your application requires.
5. Practice connecting the discharge hose to the fan discharge outlet. The hose has a sleeve and a holding clamp. The fan discharge has an extended bolt on the side of the discharge. Place the sleeve over the discharge and the clamp will attach to the bolt's threaded body, which will hold the hose to the fan discharge.
6. Practice removing and storing the discharge hose on the hose storage mast. This will assist in understanding the hose's compressibility and storage capabilities.
7. VERTICAL STACKS: Suggested positioning of the PVSC-MTR to the vehicle is important in order to utilize features and benefits.
    - A. Roll the unit over to the vehicle and position the base of the unit perpendicular to the vehicle. The unit should be about in the middle of the base or in direct line with the telescoping mast. Push unit towards the vehicle unit until the nozzle is about in line with the stack top. DO NOT ATTEMPT TO MOVE THE BASE WITH THE MAST IN THE RAISED POSITION.
    - B. Engage foot brake then complete the positioning of the nozzle. You may need to once more, slightly re-position the base for final exhaust capture. Once the nozzle has been positioned over and covering the stack top, be sure the foot brake is engaged.
    - C. Rotate fan discharge towards the direction the exhaust fumes are to be exhausted.
    - D. Remove discharge hose and connect to the fan discharge. Pull hose towards your overhead door, man door, or other area to discharge. Monoxivent recommends use of door/wall port for connection: as an option. (You may find it easier to pull hose out first then connect to fan discharge).
    - E. Pull power cord from reel to power outlet. Be sure cord reel locks, then plug into 120-volt outlet.
    - F. Flip the toggle switch to the ON position.

8. UNDER CHASIS EXHAUST PIPES: If your PVSC-MTR has been supplied with the optional under chassis nozzle, the positioning steps are as follows:
    - A. Push PVSC-MTR up to vehicle near exhaust pipe and position perpendicular to the vehicle body.
    - B. Lock foot brake.
    - C. Rotate fan discharge to direction for exhausting fumes.
    - D. Remove discharge hose and connect to fan discharge
    - E. Run the hose to the overhead door, man door, or other area. Monoxivent recommends using a door/wall port for connection.
    - F. Pull power cord from reel to outlet and be sure the cord reel locks, and plug into a 120-volt outlet.
    - G. Separate the mast hose at the male and female coupler. The under chassis optional nozzle will have a mating coupler and simply connect the nozzle and hose together. Attach the nozzle to the under chassis exhaust pipe.
    - H. Turn blower on with toggle switch.

Always inspect your PVSC-MTR before each use. As with any piece of equipment, you take care of it and it will take care of you. Periodic inspection of the hoses, power cord, and fittings is advised. A preventive maintenance program will maintain performance and extend component life.

Call your representative or the factory for any questions or assistance.

The Portable Fume ELIMINATOR
STANDARD MODEL



See page 6 for list of components

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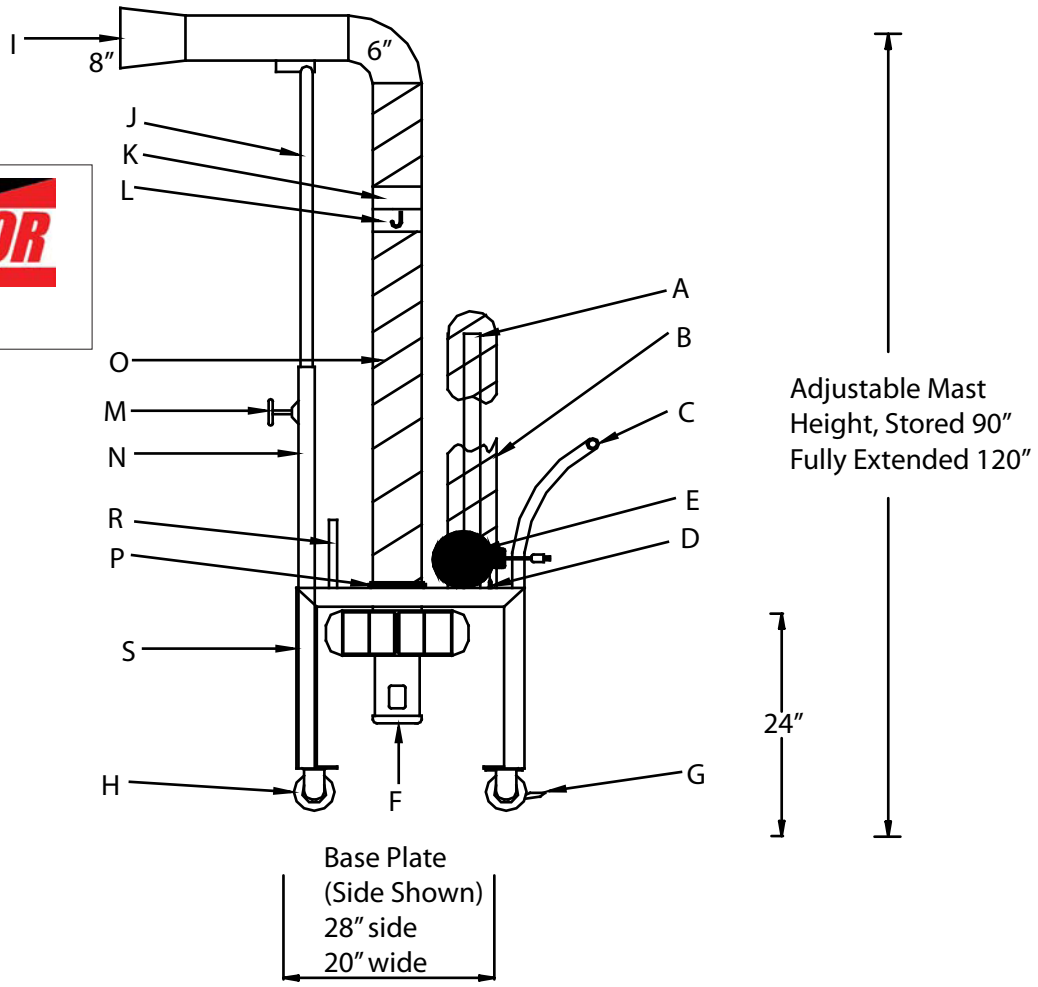

See page 6 for list of components

Component List - Fan Models

A - Discharge Hose Storage Mast

B - 25' x 6" High Compression Discharge Hose (Series 7300)

C - Push Handle

D - Fan On/Off Heavy Duty Switch

E - 45' Power Cord with Plug. Note, power cord stored on a lock and latch spring retractor assembly

F - TEFC 1.5 HP, 1 Phase, 3450 RPM Blower. Aluminum Wheel and Housing.

G - Foot Brake

H - 5" Solid Hard Rubber Wheels. Two Fixed and Two Swivel.

I - Vertical Stack Nozzle, with 8" Mouth Opening.

J - Upper Telescoping Nozzle Mast - 1 7/8" Galvanized Tube.

K - Male Quick Release Coupler, for Mast Hose.

L - Female Quick Release Coupler, for Mast Hose

M - Upper Mast Height Adjustment, Locking Mechanism

N - Lower Telescoping Nozzle Mast, 2" Galvanized Tube

O - 6" High Compression Inlet Hose, 600-Degree, Series 7600.

P - 180-Degree Blower, Swivel Fitting - Allows the Fan Discharge to Rotate in the Direction that the Discharge Hose Must Exit R - Nozzle Storage Mast (For Storage of the Optional 8006-VG Under Chassis Nozzle)

S - 3/16" Steel Base Plate Assembly. Laser Cut and Machine Bent. Powder Coat Finish.