






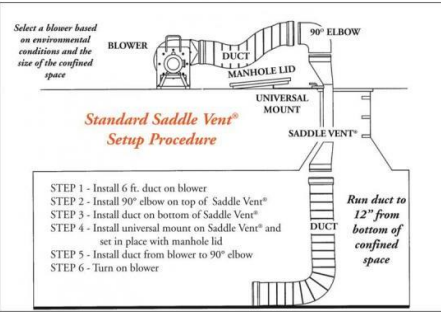




LOCATION	WRITTEN BY:	APPROVED BY:	DATE CREATED	LAST REVISION
All Buildings PTSD	Lorie Carriere Brent Vandenbosch	Brent Vandenbosch	April 17, 2014	New

PERSONAL PROTECTION EQUIPMENT (PPE)

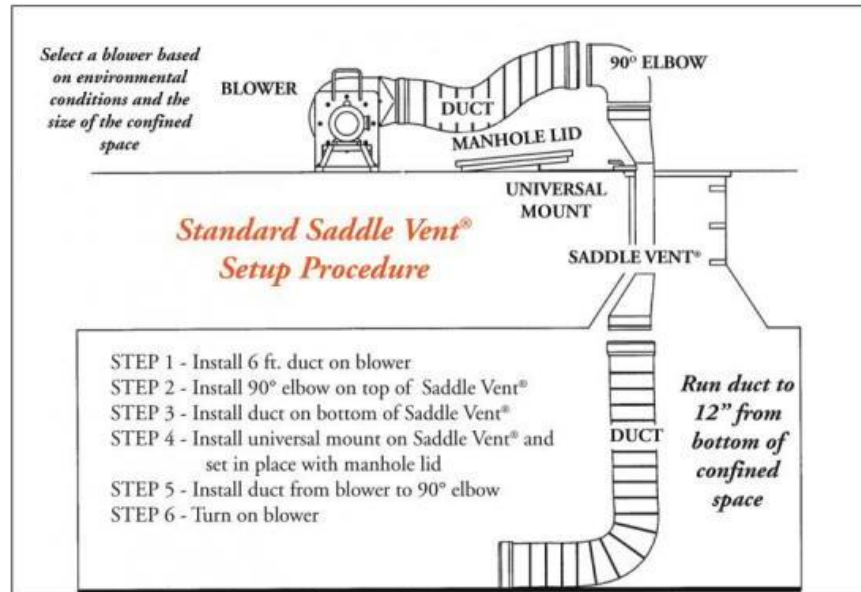
 Safety glasses or face shield must be worn at all times in work areas.	 Long and loose hair must be tied back and covered
 Safety footwear must be worn at all times in the work area.	 Disposable P100 Respirator or a ½ mask respirator with HEPA Filters, wipes/sanitizing pads may be required.
 Hearing protection must be worn when using this machine.	 Close fitting/protective clothing must be worn. Remove strings hanging from pullovers/sweaters.
 Multi Gas detector (MGD) is required to be with you at all times while working in a crawl space or confined space	

Photos

 <p>Select a blower based on environmental conditions and the size of the confined space.</p> <p>Standard Saddle Vent® Setup Procedure</p> <p>STEP 1 - Install 6 ft. duct on blower STEP 2 - Install 90° elbow on top of Saddle Vent® STEP 3 - Install duct on bottom of Saddle Vent® STEP 4 - Install universal mount on Saddle Vent® and set in place with manhole lid STEP 5 - Install duct from blower to 90° elbow STEP 6 - Turn on blower.</p> <p>Run duct to 12" from bottom of confined space</p>	 <p align="center">Inline blower, ducting and storage canisters for ducting</p>	 <p align="center">Canister fan and ducting</p>
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HAZARDS PRESENT	ADDITIONAL REQUIREMENTS
<ul style="list-style-type: none"> ✓ Electrical shock ✓ Confined space entry hazards ✓ Hazardous atmosphere 	<ul style="list-style-type: none"> ✓ Equipment orientation ✓ Never leave machine running unattended ✓ Use tools only for their intended purpose ✓ Read and understand general safety procedures in the user manual.

SAFE WORK PROCEDURE



PRE-OPERATIONAL SAFETY CHECKS:

1. Inspect required personal protective equipment and replace if required.
2. Ensure no slip/trip hazards are present in workspaces and walkways.
3. Faulty equipment must not be used. Immediately report suspect machinery.
4. Locate and ensure you are familiar with the operation of the ON/OFF starter.
5. Do not leave this equipment running while unattended.
6. Do not use equipment if it is damaged. Immediately report any damages to your supervisor.

ASSEMBLY & OPERATION:

1. Inspect and don all personal protective equipment: safety glasses / face shield, hearing protection, safety footwear, if entering a crawl space or confined space a multi gas detector (MGD) is required.
Remove all jewelry; loose clothing and tie back hair.
2. If you know the approximate size of the space to be ventilated, calculate the ventilation time required to purge the space you will be working in. See the estimator guide at the back of this document.
3. Open the area to the space you will be setting up the equipment and check the atmosphere at the entrance to the space with the multi gas detector (MGD).
4. Set up the canister fan in an area where there is fresh, uncontaminated air, a minimum of 5 ft. from the opening to the space.

5. Pull the ducting from the end of the canister fan and attach it to the 90° elbow.
6. Attach the elbow to the saddle vent and place the saddle vent into the opening of the space.
7. Attach a 25' section of duct to the other end of the saddle vent. Place the duct as far as possible into the space.
8. If more ducting is required, attach the inline fan to the far end of the 25' duct section. Attach a second 25' duct section to the other end of the inline fan. Stretch the ducting out as far as it can reach.
9. Turn the power to both fans ON and allow the fans to ventilate the space. Ventilate according to the calculation in step 2 prior to starting work. Continue to ventilate the space while work is ongoing.
10. Once the work has been completed, turn off the fans, remove the ducting and clean the equipment. Coil the ducting back into their storage canisters and return all equipment to storage.

If an emergency situation occurs while conducting this task or there is an equipment malfunction, evacuate the area and notify your supervisor.

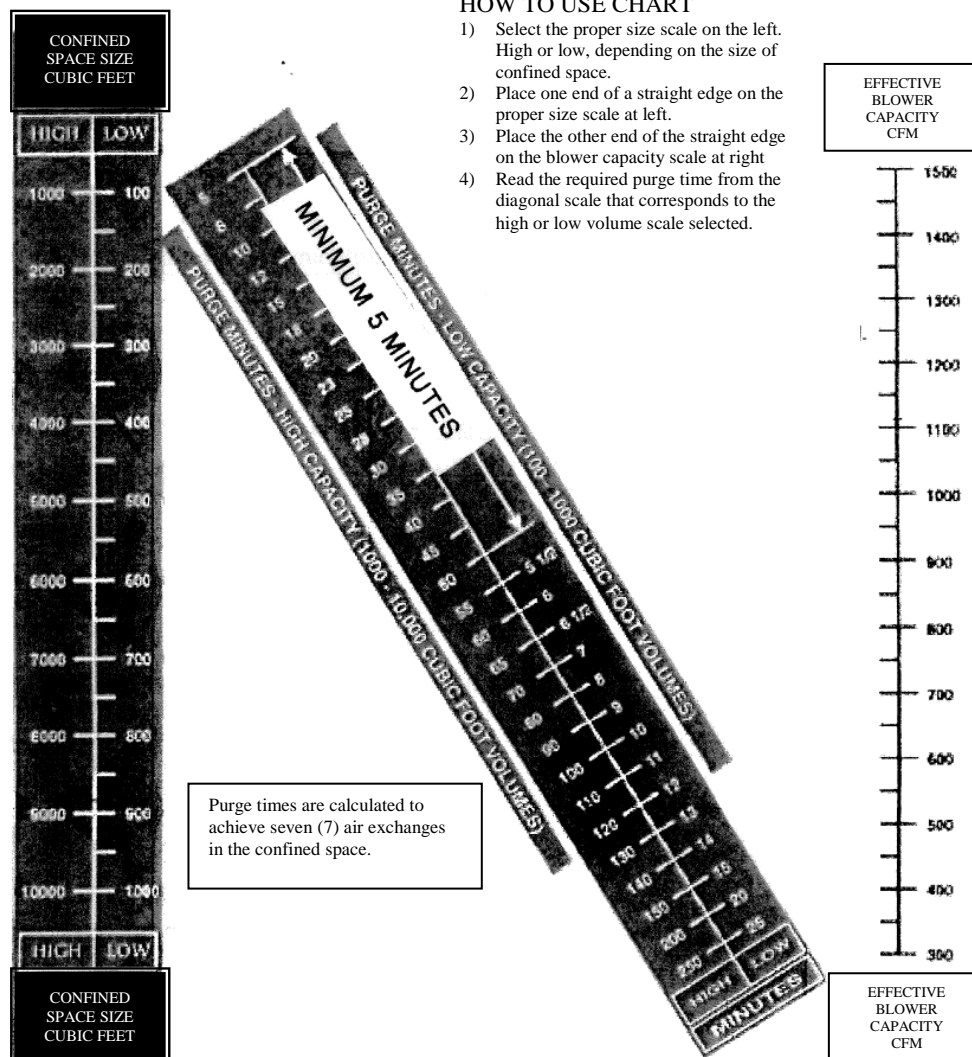
REPORT ANY HAZARDOUS SITUATION TO YOUR SUPERVISOR IMMEDIATELY.

REGULATORY REQUIREMENTS

- WS&H Act W210, Section 4, 5, 7, 7.1
- Mb. Regulations 217/2006,
 - Part 15, Confined Spaces, Sections: 15.1 – 15.14
 - Part 16, Machines, Tools & Robots, Sections: 16.1 – 16.13
- Guideline for Confined Space Entry
- Operators Manual for the Saddle Vent Ventilation System and Canister Fan

VENTILATION CALCULATIONS

ESTIMATING APPROXIMATE PURGE TIMES



1. Air quality of the space should be tested prior to ventilation
2. Ventilate the confined space for the minimum times as determine in the above chart and then retest the air.
3. If toxic (combustible) gases or low oxygen is encountered, increase the purge times by 50%
4. If 2 blowers are used, add the two capacities, then proceed with the how to use chart above
5. Effective blower capacity is measured with one or two 90 degree bends in an 8" diameter, 25ft. blower hose.