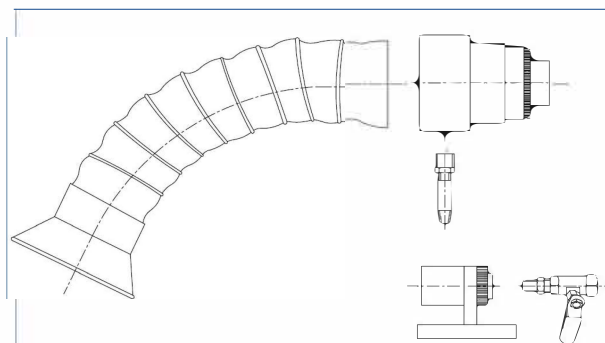




Supreme Air Products™ Portable Fume Extractor Installation and Maintenance

Installation

The Supreme Air Products™ Portable Fume Extractor comes complete with a flexible swivel magnetic base to be secured to any surface that will hold the magnet and unit in place. The fitting and shut-off valve assembly is secured to the swivel base. The second fitting assembly is secured to the swivel base and to the air amplifier unit. The hose kit assembly is then secured to the air amplifier unit.



Clamp or otherwise secure to the small end of the air amplifier a 2" hose to remove the fumes, smoke, and particulate from the area. Keep the hose to a maximum of 25 feet (8 meters). Connect to a compressed air line. We recommend a 3/8" tube or hose. Adjust the gap of the air amplifier by loosening the lock ring, then open up or close the gap to the desired position. Keep the gap between .002" (.050 mm) to .004" (.100 mm) for optimum performance. The strongest suction will be at the .004" (.11 mm) position. The most economical and most commonly required use will be at the .002" (.055 mm) position.

Compressed Air Supply

Because a small gap is used for the compressed air outlet, we recommend filtration to remove any moisture, oil, and dirt from the air lines. For water removal, use a minimum 10-micron filter complete with an automatic (float-type) drain. If oil is a concern, an oil removal filter should be added downstream from the water filter and should also have an automatic (float-type) drain. Filters should be mounted near the unit within 10 to 15 feet (3 to 4 meters).

Maintaining your unit

If the unit becomes clogged from contamination, simply dismantle, clean, and reassemble. Sometimes a dirty film can build up at the throat of the air amplifier due to the vapor, smoke, or dirt being drawn into the assembly. Clean the surface with a mild solvent and clean rag. To prevent contaminants from entering into the gap, do the cleaning with a small amount of compressed air passing through the unit.