



Electrowave Explosion Proof Ultrasonic Cleaners

This page is to be included with all previous Warnings and Instructions

Important Safety Warnings

This unit has been designed for use with flammable solvents. Under normal operating conditions solvent vapor will be present in the air. Ultrasonic cavitation atomizes the solvent, accelerates evaporation and will create a cloud of vapor. The vapor may settle or rise. Consequently, the area where this unit is operated may be defined as a hazardous atmosphere/area.

This unit is supplied with a non-explosion proof plug. The plug can be removed and replaced with an explosion proof plug to match the available explosion proof receptacle, or the unit may be hard wired directly into the electrical system. In some cases conduit may be required (an optional conduit attachment can be ordered with unit).

The National Electric Code (NEC) and (NFPA) addresses issues related to the Class, Division, and group, ventilation, electrical cord, plug, and receptacle. For more information on these issues refer to the National Electric Code, <http://www.nfpa.org>.

Inspection and Unit Integrity

Check the unit and power cable for damage . Do not operate the unit if any damage is visible. Always support unit from the bottom while carrying or transporting. Periodically examine the silicone seal around the tank for damage. Inspect the tank and enclosure for wear or damage that might cause leakage.

Any breaches in the seal, tank or enclosure renders the unit unsafe for operation and must be repaired by the manufacturer.

This unit does not have a heater. Do not use an external device to apply heat to the flammable solvent before or during operation of the ultrasonic cleaner without first consulting a safety Engineer.

The level of solvent in the tank should be maintained at a one inch approximately from the rim, a carrier bath is highly recommended.

Do not use this unit in the presence of any potential source of a spark.

Exclusion of Liability

Do not disassemble this unit in any way. **This unit is sealed internally.** Do not loosen screws, nuts, drain assembly, or any part of this unit. When connecting a hose to the drain, do not apply torque to the drain; hold fittings with a wrench to support internal plumbing and prevent rotation. The manufacturer cannot be held liable for damages on persons, equipment or cleaning items caused by improper use, installation or non-observance of the Operating Instructions. The end user of the ultrasonic unit is responsible for the safety, reliability and correct operation of the unit. If: assembly, expansions, new settings, modifications or repair are carried out by the end user, the Explosion Proof Certification and/or Warranty are null and void.