

Omegasonics

Operation & Instruction Manual

Electric Cleaning Station

2300E

OMG-2300E

Read all instructions thoroughly before operating this equipment

INTRODUCTION

Congratulations! You have purchased an Omegasonics Electronic Cleaning Station. The Omegasonics E Series provides superior cleaning of electrical and electronic components that require a limited amount of contact with water. The units are painted with a reflective powder coated 90% gloss paint for better interior visibility, greater durability and chemical resistance.

The Omegasonics E Series utilizes an industry breakthrough in portability and flexibility. The controls and all spray hoses and lines are mounted in a removable portable cleaning station. This portable cleaning station bolts to the right side of the cabinet and can be used with the cabinet for smaller electronic components or remotely in a shower wash area for oversized, heavy to lift items.

WARNINGS

Failure to read these warnings may cause the unit to fail.

Failure to read these warnings may cause personal injury or property damage.

- Equipment should only be operated on a single phase, 120VAC, 20 Amp **grounded** electrical system.
- Never use flammable liquids or solvents in the E Series.
- Use only biodegradable cleaning agents.
- Do not open the internal circuitry of the equipment, disassemble any part or parts, or move or remove any components or electrical devices.
- Never attempt to perform maintenance on the equipment when the unit is energized.
- Disconnect the power source when moving the unit to a new location.
- Water pressure should be set at a minimum pressure to protect internal seals from premature failure.
- Never place fingers near the blower exhaust as the fan blades can cause serious injury.
- All four (4) swivel casters must be positioned such that the wheels run parallel with the telescopic rails.
- All four(4) wheels must be locked prior to using. Locking is accomplished by pressing down securely on each wheel lock such that the wheel lock marked ON is in the down position.
- It is recommended that heavy liquid supplies be stored inside the storage cabinet to aid in lowering the center of gravity for the entire unit.
- **Never place more than 200 lbs. onto the turntable when the telescopic rails are extended at any distance. Failure to adhere to this will result in the cabinet tipping forward and causing possible injury and possible death.**

CLEANING TIMES

- Most parts can be cleaned within minutes. Cleaning times will vary depending on the condition of the parts being cleaned, the level of soot, the proximity of the parts to the flame source and the cleaning agent used.
- When discharging bath and waste, follow all environmental and regulatory requirements. Omegasonics is not liable for improper handling of waste materials.

SET-UP

- Remove the Portable Cleaning Station Package (PCS2700E) from the shipping container. The spray gun should be placed into the magnetic holster and the holster temporarily located on the right side of the PCS2700E. The air gun should be hooked into the eye hook located on the lower right side of the PCS2700E.
- All four (4) swivel casters must be positioned such that the wheels run parallel with the telescopic rails.
- All four(4) wheels must be locked prior to using. Locking is accomplished by pressing down securely on each wheel lock such that the wheel lock marked ON is in the down position.
- Remove the nuts from the four(4) studs located on the right side of the 2300E cabinet.
- Place the PCS2700E onto the four studs by lowering the bottom onto the bottom studs and then pushing the top holes through the top studs.
- Securely tighten all four(4) nuts to ensure the PCS2700E is firmly mounted to the side of the cabinet.
- Connect water source via hose to a ¾" female hose fitting located on the back end of PCS2700E. Turn on the water source ¼ turn only. It is important to minimize water pressure as added water pressure does not aid in the cleaning process and can blow out internal seals prematurely.
- Connect air source via flexible line to the air fitting located on the top back end of the PCS2700E. It is recommended that air be clean and dry @ 50 psi maximum.
- Connect discharge drain located on the back side of the 2300E cabinet to a standard garden hose. The discharge drain is fitted with a female hose bib for easy connection. Hose should be plumbed to a floor drain or sink to keep water from accumulating on the floor near the operator. Drain is gravity feed.
- Two(2) 75 Watt Director style light bulbs are factory installed in the fixture housings. To change bulbs, unscrew the four(4) Phillips head screws on the top side of the cabinet over each light bulb. Lift up plate which will expose the light bulb. Change out light bulb and place back down and re-secure with the same screws.

- If ducting of exhaust is required in the facility, install a duct extension fitting on the back end of the blower. The blower has an opening with four(4) pre-drilled holes to accommodate a duct extension. Ducting and duct extension are available at most hardware stores.
- Mount the cleaning reservoir shelf on the lower right side of the 2300E using the two(2) supplied bolts. Place the plastic reservoir bottle on the shelf and fill with approximately 10% the volume of the bottle with Aqua Clean LPH.
- Place the Fill hose (this hose has a weighted end) through the hole in the cap into the plastic reservoir bottle.
- Place the magnetic spray gun holster into the 2300E cabinet on the inside right where it is convenient for the operator.
- Place the air gun onto the eye hook located on the lower right side of the PCS2700E.
- Plug the power cord for the lights and the power cord for the fan into the back side duplex of the PCS2700E.
- Plug the power cord from the back side of the PCS2700E into the appropriate power source.

MACHINE OPERATION

- Press the green pushbutton marked **POWER**. The button will illuminate. The overhead cabinet lights will illuminate and the exhaust fan will energize.
- Press the **FILL** button to mix supply water with the soap already in the reservoir bottle. Fill the bottle to 90% capacity.
- The Air Regulator on the front of the PCS2700E is adjustable and can be varied depending on how much air pressure is desired. Increasing air pressure propels more soap/water solution on the parts-the siphoning action will also increase. To increase pressure - turn the dial clockwise.
- Place the part to be cleaned onto the rotary turn table. The turn table can be pulled out for convenience of loading. It is not necessary to use the pull out turn table for smaller items.
- Use the triggered air gun to blow off excess dust, soot and other loose particulate before beginning the water cleaning process. The air coming from the air gun is unregulated and comes from the facility air supply.
- Turn the 3 position selector switch to the **CLEAN** position. Squeeze the trigger on the cleaning wand to dispense the mixed solution of soap and water from the reservoir bottle. Adjust the tip by turning clock clockwise for a finer mist and counter-clockwise for a heavier spray depending on the type of component being cleaned and the amount of residue.
- The cleaning solution is mixed with air as a propellant such that only a limited amount of fluid is hitting the parts being cleaned at any one time.
- Using the left hand to rotate the component, spray solution into the areas being cleaned.

- Once the part appears to be clean, turn the 3 position selector switch to the **RINSE** position. It is necessary to squeeze the cleaning wand trigger for approximately ten (10) seconds to clear any soap residue out of the line. Once clean water mixed with air flows from the spray wand, gently rinse off soap residue from the part being cleaned.
- Turning the 3 position selector switch to the **OFF** position and squeezing the trigger allows only regulated air through the gun. Keep in mind that soap and/or water still in the line will need to flush out before air only comes from the gun nozzle.

WATER QUALITY

- The Omegasonics PCS2700E can take water directly from a client's water source. Heated de-ionized water is preferable for cleaning electrical and electronic items. If you do not have de-ionized water, Omegasonics offers an optional, portable Water Conditioner – Model 2180. This unit has a 20 Amp, 120 VAC, flow turn water heater on board. This unit heats water 41°F at ½ GPM. This heated water then flows through a 5 micron pre-filter and then through two(2) 20" de-ionization cartridges.
- The de-ionization cartridges are mounted into clear canisters for easy viewing. De-ionization cartridges must be changed when their color changes from the original orange to brown.
- The 5 micron pre-filter should be changed when the pressure located on the top side of the portable system changes approximately 5 psi from the original installation.

EQUIPMENT MAINTENANCE

- Unplug the main power cord when the system is not being used for an extended period of time.
- Buff the inside of the tank with a clean, soft cloth periodically to maintain gloss finish.
- Wipe the inside and the outside of the tank dry with a dry, clean, soft cloth.
- Thoroughly inspect drain and fill areas for leaks periodically.

REPAIRS

If you experience problems with your equipment, please call Omegasonics at:
(800) 669-8227

LIMITED WARRANTY

Omegasonics warrants the OMG-2300E and PCS2700E electronic cleaning station for a period of one year from the date of purchase, when used in accordance with the manufacturer's instructions. During the warranty period, Omegasonics will repair or replace free of charge at an authorized repair service center all parts that are defective because of material or workmanship. Freight charges to an authorized service centers are the responsibility of the user.

This warranty does not include damage or product failure, which results from misuse, abuse or transportation damage. This warranty is limited to the original purchaser and is not transferable. Total liability for any reason whatsoever, shall not in any case exceed the cost of repair or replacement of the defective part. In no case shall Omegasonics be responsible for any incidental or consequential damages.

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