

StencilWasher Installation Guide

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The leading manufacturer of cleaning and cleanliness testing products.

Model StencilWasher LD-CLR-ZD Series Ultrasonic Stencil Cleaning Systems Installation and Utility Requirements

The following information will help you prepare for the installation of the system.



Freight

The cleaning system will arrive on a pallet and will weigh approximately 500lbs. A forklift will be required to unload the truck if your facility is not equipped with a loading dock.

Machine Size

Stencilwasher Series 48"W X 35" D x 42" H
AQ-7 Evaporator (ZD - optional) 23"W x 41"L x 46"H

Ideally, a two foot clearance should be provided on the rear, left and right sides of the machine. Contact Aqueous Technologies for clearance advise if recommended clearance is not available.

Electrical Connection

All Stencilwasher Series cleaners require the following electrical service:
208-220 VAC, 45 AMPS, 1 phase, 60 Hz

All Stencilwasher Series cleaners utilize several 110 VAC internal components which require a neutral wire. A total of four wires are required:

- A Phase
- B Phase
- Neutral
- Ground

All Stencilwasher Series cleaners are equipped with an electrical service disconnect / breaker located on the left side of the machine.

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Plumbing Connection (AQ-7 Evaporator for Stencilwasher-ZD Series machines)

If you purchased a Model Stencilwasher-ZD, your shipment will include a Model AQ-7 evaporation system (on separate pallet).

The AQ-7 Evaporator is equipped with on water inlet located in the top of the system. The AQ-7 requires a ½" NPT (female pipe thread) fitting. The AQ-7's water inlet should be connected to the Stencilwasher Series' primary drain line.

The machine may be hard or soft plumbed. If you plan on using hose (soft plumbing), ensure that high-pressure reinforced hose is used on both inlet and drain fittings.

Note: The drain line may receive hot water. Be sure to choose a hose or pipe capable of handling high temperature water. If you are planning to hard plumb the drain line, we recommend the use of CPVC stainless steel or copper pipe.

Plumbing Connections (Stencilwasher Series)

All plumbing connections are located on the right of the machine.

The Stencilwasher LD Series cleaners are equipped with the following plumbing connections:

Water input connection	¾" NPT required
Wash solution drain	½" NPT required
Rinse solution drain	½" NPT required (not available on Closed-Loop model)
Output to filtration system	½" NPT provided (Closed-Loop model only)
Input from filtration system (wash tank)	½" NPT provided (Closed-Loop model only)
Input from filtration system (rinse wand)	½" NPT provided (Closed-Loop model only)
Compressed Air	¼" NPT required

The machine may be hard or soft plumbed. If you plan of using hose (soft plumbing), ensure that high-pressure reinforced hose is used on both inlet and drain fittings.

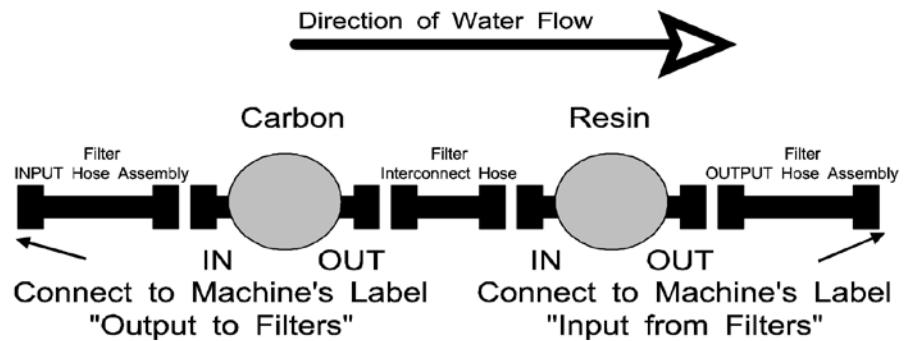
Closed-Loop Option (available with CLR option only)

The Stencilwasher-CLR (Closed-Loop Rinse Model) is equipped with a filtration / de-ionization system. This system consists of three parts:

- Carbon Tank
- Resin Tank
- Filter Status Light

The filtration is designed to be placed on the right side or rear of the Stencilwasher CLR Series cleaner. If a user chooses to place the filtration system at another location, additional tubing may be required. Please notify Aqueous Technologies if additional tubing is required.

SMT600-CL, SMT800-CL, AQ-201SC-CL, AQ-201CL DI Tank Configuration



Air Exhaust (AQ-7)

The AQ-7 Evaporator is equipped with a 6" exhaust duct. The AQ-7 must be vented. Substantial heat and moisture are produced by the AQ-7 as the water within it boils. The AQ-7 may be vented into a negative pressure exhaust vent. Direct exhaust discharge into a room is not recommended.

Please refer to the Operations manual for additional information.