



Part No. 7130-5450 (115 VAC)
Part No. 7130-5450-230 (230 VAC)

Description

The Portable Sanitizer is a mobile unit designed to inject a sanitizing solution into the room distribution system piping. The sanitizing solution is pumped directly from the Portable Sanitizer reservoir, through the supply hose, to an injection port.

An injection port is required at the inlet of the pressure station. The injection port is a quick disconnect plug, double shut-off type, located after the shut-off valve inside the station inlet.

The Portable Sanitizer can be used with any type of automated watering distribution system. However, more effective cleaning can be achieved by following the sanitizing process with high pressure flushing of the lines. This flushing is easily done on systems equipped with manual or automatic flushing features.

If your automated watering system is not currently equipped with injection ports or flushing capability, contact Edstrom Industries for a quote to add these to your system.

Features & Benefits

- Provides an easy method for sanitizing the distribution piping and pressure stations.
- Adapts to any automated watering system.
- Allows on-line sanitizing of recoil hoses.
- Permits sanitization without danger to personnel or damage to equipment.
- Requires no tools - simple to operate.
- Moves with ease - mounted on wheels.
- Minimal operational costs.

Portable Sanitizer

Specifications

HARDWARE

- Dimensions - 34" H x 22" D [864 mm x 560 mm].
- Tank Capacity - 20 gallons US [76 liters].
- Tank Material - polyethylene.
- Mounted on a 5-wheel dolly with 3" diameter castors.

ELECTRICAL

- 115 VAC 5.0 amp 9230 VAC, 2.5A0 with built in Ground Fault Circuit Interrupt (GFCI) and an ON/OFF switch.

PUMP

- Submersible, 1/6 HP, with thermal protector.
- Corrosion resistant construction.
- Capacity:
 - 16 gpm at 10 feet (60 Lpm @ 3050 mm) head pressure.

CONNECTION

- The supply hose is 8 feet (2440 mm) long with a stainless steel quick disconnect socket, double shut-off type. Designed to mate with a quick disconnect plug (P/N 1610-1119).

All specifications are subject to change without notice.

Operation

The Portable Sanitizer provides an easy, effective method for injecting a sanitizing solution into the automatic watering distribution system piping. Periodic sanitization of the water system components helps assure uncompromised test results by maintaining good water quality.

Chlorine is an effective sanitizing agent and is easy to use. A mixture of water and household bleach, to give a 20 ppm chlorine solution, is recommended. A full 20 gallon tank is usually adequate to sanitize several pressure station areas.

As a precaution, all animal rack manifolds should be disconnected from the distribution system during sanitization.

To be effective, the sanitizing solution must contact all parts of the distribution system including the quick disconnect fittings at the interconnects and/or the recoil hoses if they are attached. An interconnect drain hose (see Fig.2a) is provided to drain a small amount of sanitizing solution through each quick disconnect.

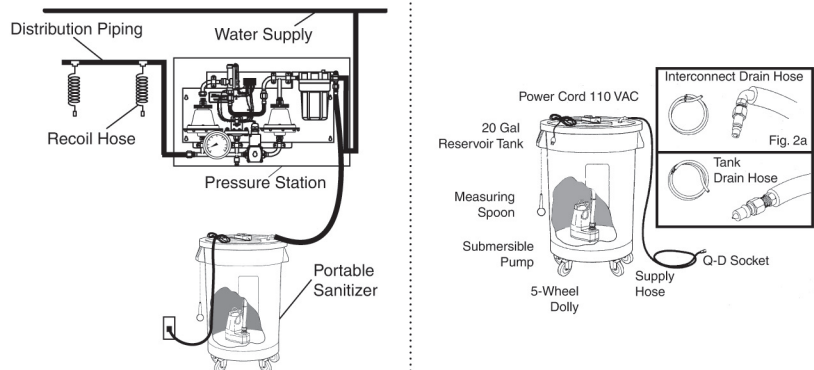
The sanitizing solution should remain in the distribution system for 30-60 minutes. This contact time is required for the solution to kill the bacteria and breakdown the biofilm on the interior walls of the piping and components.

Before reconnecting the animal racks to the system, it should be thoroughly flushed with the normal animal drinking water.

When several pressure stations are being sanitized, the first one can be filled with solution and left to stand for the necessary contact time while the second one is being treated. In this manner the time involved for each pressure station area should be about 30 minutes.

While the Portable Sanitizer permits the sanitization of recoil hoses without removal from the distribution piping, detachable hoses should be removed and sanitized separately using the Recoil Hose Flush Station with a Chlorine Injector Station.

The frequency of sanitization required for your system should be dictated by your protocol and based on your own water quality testing. Be sure to contact the Water Quality Specialists at Edstrom if you have any questions concerning your automated watering system.



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Our Quality Management System is Certified to ISO 9001