



Watercannon Owner's Manual

General Information

This manual contains information for the proper installation and operation of the Watercannon. The instructions in this manual must be followed properly. Failure to use according to these instructions will void the warranty.

What's in the box?

The Watercannon will arrive in two separate boxes.

Box #1 will contain the following: One suction hose with safety suction attached, two chrome plated nozzles, one Sunbrella fabric cover and one owner's manual.

Box #2 will contain the following: Pump mounted on stainless steel cart, one sprayer arm assembly with chrome elbows, one cord with GFCI, one nozzle repair kit, one wall mounted twist lock receptacle box. (Watercannon 3.0 only)

Getting Started

Unpack all parts and take them to where the Watercannon will be located near the deep end of the pool. Make sure that your dedicated 20-amp breaker is in the on position.

Installation

1. Take the Watercannon out of the box lifting from both cart handles.
2. Place the Watercannon 1-2 feet from the edge of the pool near the deep end if possible.
3. Lay out the yellow electrical cord from the receptacle to the Watercannon. Extra cord can be coiled up at the receptacle to avoid a tripping hazard.

4. Install the Sunbrella cover by stretching it over the Watercannon. Locate the hole in the cover over the hole in the top of the pump.
5. Attach each bungee loop to the corresponding hooks on each end of the Watercannon cart. The smaller end of the cover attaches to the end near the on/off switch.
6. Attach sprayer arm assembly by screwing it into the top of the pump through the hole in the cover. **Make sure the O-ring is seated in the groove.**
7. Attach each nozzle to the end of the sprayer arm assembly.
8. Turn each nozzle to the left to open up. The nozzles operate similar to a garden hose nozzle. Adjusted all of the way out they will spray in a straight line. Adjusted all of the way in they will form a wider spray pattern.
9. Attach the suction hose by screwing the union at the end of the hose to the front of the pump. **Make sure the O-ring is seated in the groove.** Drop the other end of the hose into the pool and let it hang down into the water.
10. Plug in the yellow cord to the Watercannon using the twist lock connector. These connections need to be tightly twisted into the fully locked position. Failure **to fully twist the connections may result in arcing of the electricity across the prongs.** The prongs will discolor and the plastic will melt. This is not covered under warranty.
11. Plug in the yellow cord to dedicated 20-amp receptacle. (240V for Watercannon 3.0 and 120V for Watercannon 1.5)
12. Make sure that the GFCI is on. You will see a green light on the display.
13. Unhook the front bungees to access the strainer cover.
14. Take off the strainer cover.
15. Prime the Watercannon using a bucket or garden hose by flooding the strainer basket with water.
16. Quickly replace the strainer cover and turn on the Watercannon using the switch located at the end of the motor. Water will fill the strainer basket and begin to spray out of the nozzles. You may need to adjust the nozzles if the pump is not priming right away. Closing them a little seems to help. They will not ever completely shut off. There should be little to no air visible through the strainer cover after it is primed.
17. You will want to adjust the nozzles so the waterfalls land in the middle of the pool towards the shallow end. This will minimize any water loss from overspray.

Use & Care

Running the Watercannon 8-12 hours a night will give you an acceptable reduction in water temperature. We insist that the Watercannon be supervised if used in the daytime or at night if there are swimmers in the pool. When used at night, most facilities turn it on when they leave and turn it off the next morning when they open the facility. When used consistently at night, the Watercannon will provide adjustable pool cooling all summer long. Each pool facility has its

own unique set of variables that affect water temperatures. Geographical location, elevation, humidity, air temperatures, breezes, and pool depth can all be factors.

Maintenance

The Watercannon will provide cooling and refreshment for years if you follow these few steps:

- Clean the strainer basket regularly.
- Inspect triple suction and remove any debris.
- If used on a salt water pool, periodically wipe down after each use.
- The cart may be cleaned with stainless steel cleaner.

Storage & Winterization

- Drain all water from pump by unscrewing the drain plugs from the base of the pump.
- Remove sprayer arm assembly and suction hose.
- Remove gasket from inlet and outlet. You may store these and all drain plug in the strainer basket for easy installation next season.
- Coil GFCI cord.
- To avoid condensation/corrosion problems, do NOT cover or wrap pump with plastic film or bags.
- **Do NOT store the Watercannon near any pool chemicals or oxidizers.**

Troubleshooting

Watercannon 3.0

Please check page 11 of the Artesian 2 pump manual first. In addition to page 11 you may check the following.

Motor Will NOT Start or Motor shuts off– Check For:

1. Cord in line GFCI tripping

Solution: Press reset button on cord in line GFCI.

Nozzles are droopy

1. Tighten flat head baffle screws on the bottom of each elbow. Be careful not to unscrew them or the ball bearing will fall out. You may also use the included nozzle repair kit. Remove the flat screws keeping all ball bearings inside. Replace the flat screw with the stainless hex head screw and tighten with Allen key.

Watercannon 1.5

Please check page 11 of the Artesian 2 pump manual first. In addition to page 13 you may check the following.

Motor Will NOT Start or Motor shuts off– Check For:

1. Cord in line GFCI tripping

Solution: Press reset button on cord in line GFCI.

Nozzles are droopy

1. Tighten flat head baffle screws on the bottom of each elbow. Be careful not to unscrew them or the ball bearing will fall out. You may also use the included nozzle repair kit. Remove the flat screws keeping all ball bearings inside. Replace the flat screw with the stainless hex head screw and tighten with Allen key.

CONTACT INFORMATION

Living Waters Aeration

919-803-8925

info@livingwatersaeration.com

www.livingwatersaeration.com

WATERCANNON COVER INSTALLATION



Place cover over the threaded part of the pump housing and drape over each side of the motor. The smaller end of the cover should be at the end near the motor and switch.

Screw in nozzle assembly through the hole in the cover by turning clockwise until tight. Make sure o-ring is in place.

Stretch bungee loops and attach cover to hooks at each end.

The cover is made of Sunbrella, a water resistant fabric.

WATERCANNON ELBOW REPAIR KIT



BEFORE



AFTER

Your Watercannon nozzles may begin to droop after many years of service. Use a large flat blade screw driver to remove the flat elbow screw. Make sure to keep the elbow upright to keep the ball bearings from falling out. Replace the flat screw with the stainless steel socket head screws and tighten with the 5/16 hex tool. When the nozzle assembly is mounted back on the Watercannon, loosen the socket head screw, position the elbow where you need it, and tighten the screw to keep it in place. The socket head screws are stainless steel.

5" Designer Pro Series Suctions

Part No.	Description
640-520x V	5" Designer Pro Series Suction - 2" S - Two Tone
640-525x V	5" Designer Pro Series Suction - 2 1" S - Two Tone
640-530x V	5" Designer Pro Series Suction - 2" S - Two Tone Stainless Steel
640-535x V	5" Designer Pro Series Suction - 2 1" S - Two Tone Stainless Steel



640-3797 V

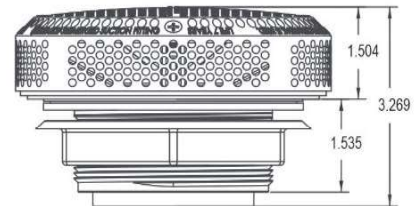


FEATURES:

- Flow rate of 80 GPM with 2" wall fitting

SPECIFICATIONS:

- Total Open Area: 9.02 sq. in.



SPC-3 VP - 5" Super Hi-Flo Suctions

Part No.	Description
640-378x V	5" Super Hi-Flo Suction Assembly - 2" S
640-379x V	5" Super Hi-Flo Suction Assembly - 2 1" S
640-3570S V	5" Super Hi-Flo Suction Assembly - 2" S - Stainless Steel
640-3580S V	5" Super Hi-Flo Suction Assembly - 2 1" S - Stainless Steel