



**Users Manual**  
**Certified Series Pulley Driven Pump**  
**115V 50HZ 1 PH**  
**.5 to 2 LPM**



**Safety, Operating, Installation,  
and Maintenance Instructions**

# Safety Instructions

**Read all labels and instructions before beginning installation. Check local codes to ensure compliance and always use a licensed contractor for water and electrical hook-ups. Use proper safety equipment during service work. All pump repair and replacement service work must be done by a Factory Authorized Service Center or a Factory Authorized Contractor. Contact Customer Service for more information.**

**IMPORTANT - The pump is designed to have the water turned on at all times. If the pump does not turn on when the On/Off switch mounted on the side panel is in the On position, or if the pump cycles on and off rapidly, turn the pump off and contact Fogco Customer Service at (800) 607 6478.**

## **Water and Power Supply**

Always use fresh, potable water to supply the system. Do not use water that has not been properly tested or treated for bacteria, contaminants, etc... Completely drain the system after each use.

The pump must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current. The pump is equipped with a cord having a ground conductor and must be plugged into or wired directly into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances. **Improper connection of the equipment grounding can result in a risk of electric shock.**

This pump is non-submersible and rated for a maximum operating pressure of 1000 PSI. The pressure regulator is set from the factory and **SHOULD NOT EXCEED 1000 PSI/70 Bar**. Changing the pressure output on the pump may create a dangerous situation and will void any Fogco warranties. All pumps have been evaluated for use with water only. Do not use with flammable liquids.

# Maintenance Instructions

## **Water Seals**

- This pump contains water seals that wear with use and will need to be replaced periodically. Water seals are NOT a warranty item. Depending on operating conditions and water quality, the water seals will last between 500 and 2000 hours of operation. Once the seals are sufficiently worn, they will allow water to drip from beneath the brass head on the pump indicating the need for replacement. Failure to replace the seals once they have begun to leak will cause extensive damage to the pump.

## **Changing Pump Oil**

- Oil should be changed after the first 50 hours and then once a year or every 500 hours of operation, whichever comes first. Run pump for 15 minutes prior to changing the pump oil. Check the pump for leaking water seals while the pump is running.
- Locate the oil drain fitting on the bottom side of the pump, remove the cap and drain the oil into a container. Dispose of the used oil at a proper oil disposal facility.
- After draining is completed, replace drain cap and fill pump with **FOGCO Pump Oil 93222**. Oil will show ½ full in sight window when pump is full.

## **Drive Belt Inspection**

- When ever changing the oil, check the belt tension and inspect for cracks or abnormal wearing.
- If the belt has more than ½” deflect, loosen the mounting bolts for the motor and slide the motor away from the pump to create the necessary tension. Tighten motor mounting bolts securely.

## **Water Filter Inspection**

- To insure the long life of the pump the external filter element needs to be replaced at least every 6 months. The time in between replacements will vary depending on the use of the system and the condition of the water.

## **Fog System**

- The nozzles, anti-drip valve, and auto drain valves should be inspected twice a year to ensure proper performance.
- If mineral deposits affect the operation of these items, the component should be removed from the system and cleaned using the Fogco Nozzle Cleaner.
- If cleaning does not improve the performance, the components should be replaced.

## **Fuses**

- This unit contains fuses that provide short circuit and thermal protection for the branch circuit which includes the hour meter, contactor coil, and inlet solenoid valve. The exhaust fan has it's own internal thermal protection. Blown fuses must be replaced. Two replacement fuses are provided for each fuse size. These spare fuses can be found with the instruction manual. Contact Fogco Customer Service to troubleshoot the unit if a fuse blows.

### **Circuit Breaker**

- This unit contains a circuit breaker which provides short circuit and thermal protection for the entire unit, including the motor circuit. When the breaker is tripped, the lever will be in the down position and the green indicator will be visible. Blown circuit breakers must be reset. To reset the circuit breaker, pull the lever up and ensure the red indicator is visible. Contact Fogco Customer Service to troubleshoot the unit if the circuit breaker trips.

### **Pump Component Replacement**

All repair or replacement of components must be completed by a Fogco Authorized Factory Service Center or a Fogco Authorized Contractor. Contact our Customer Service Department for more information.

## **Installation & Operating Instructions**

### **Operation of the Pump**

Never power the Premium Series pumps while the cover is removed. All pump repair and replacement service work must be performed by a Factory Authorized Service Center or a Factory Authorized Contractor.

The Fogco pumps are designed for use with the appropriately rated tubing and fittings to create a fog system for outdoor cooling, humidification, dust and odor control, fire suppression, and Mistscaping. **All Safety Instructions and Operating Instructions should be followed to ensure safe operation of the equipment.**

- The pump should be installed above top grade level on a solid foundation. It should be in a cool, dry location with easy access to water and power. It should be located near a drain.
- If the system will be used in freezing conditions, the pump should be located in a place where the temperature can be maintained and all water lines should be drained after each use.
- **The power supply must be a dedicated circuit with a breaker capacity of at least 20 amps.**
- The water supply should be a constant and should provide 2 times the pumps rated flow with the appropriately sized feed line as prescribed in the Installation Instructions.
- When connecting the pump directly to any rigid line, always install a flexible outlet hose on the pump. This will reduce the vibration transferred from the pump to the rigid tubing.
- The On/Off operation of the Certified Series pumps is controlled by the switch on the pump side panel.
- This pump includes an analog hour meter which should be used to track the operation time of the pump indicating the need for periodic maintenance including oil changes and checking the pump head for oil or water leaks.
- Check the oil level with the dipstick and the sight gauge. The proper level is ½ full on the sight gauge.
- Check the belt tension on all pulley driven units to insure the belt is tight (no more than ½" deflect). See the Maintenance Instructions for details on adjusting the belt tension.

**Water filtration (included).** The filter assembly needs to be attached to the pump. Included in with your pump package you will have a white round filter bracket, a blue filter housing (part #92609) with pre-installed filter cartridge (part #92608) and fittings (part #94130 – 45 degree ½" slip lok x ½"MPT and part # 92855 – ½" slip lok x ½"MPT) and a short (approx 13" long) piece of ½" nylon tubing (part #92853), and a 10ft piece of 1/2" nylon tubing (part #92853) with a preinstalled hose adapter (part #92855 – ½" slip lok x ½"FNPT).

Attach the white round filter bracket to the side panel of the pump enclosure using the provided bolt and washers. Place the blue filter housing in the round filter bracket with outlet fitting pointing towards plumbing end of pump. Insert the short piece of tubing into the outlet fitting of the filter housing (outlet imprinted on black cap of housing). Push in to lock tight. Insert the other end into the inlet fitting of the pump (part #94132 90 degree ½" slip x 3/8" MPT, labeled 'Inlet' on the pump housing panel). Insert the 10' piece of tubing to the inlet fitting of the filter housing (inlet imprinted on black cap of housing). Push in to lock tight. Fasten the hose adapter to your hose bib for your water source. Replace cartridges as needed but no less than once a year.

This pump includes an auto drain valve and a 92630 slip lok fitting. The auto drain valve is highly recommended and will drain the system each time it is turned off. To install, cut the 3/8" high pressure feed line tubing at a low point in the system. Insert the slip lok fitting. Thread the auto drain valve into the 10/24 female thread on the side of the slip lok fitting. The drain valve is spring loaded and will open and close automatically.

# Technical Information

## *Certified Series PD Electric Data and Specifications*

Model	Size LPM	Motor HP	Unit RPM	Volts / Phase	Full Load Amps	Dimensions cm.	Weight kg
7050115	.5	1	414	115/1	14.2	66 x 41 x 30	50
7100115	1	1	770	115/1	14.2	66 x 41 x 30	50
7200115	2	1	600	115/1	14.2	66 x 41 x 30	50

Full Load Amps are the average amp draw for the pump and will vary from unit to unit. All information listed is subject to change.

Model #	Bare Pump	Electric Motor	Hour Meter	Unloader Valve	Pressure Gauge	Solenoid Valve	Fuse	Circuit Breaker	Power Cord	Drive Belt	Motor Pulley	Pump Pulley
7050115	92925	92933	94161	93521	93108	93368	93254	93402.20	93178	93173	93171	93172
7100115	92925	92933	94161	93521	93108	93368	93254	93402.20	93178	93173	93176	93177
7200115	93650	92933	94161	93521	93108	93368	93254	93402.20	93178	92997	93304	92782

