



Users Manual
Certified Series Direct Drive Pump
.8 – 6.6 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 - Once the unit is plumbed and the proper electrical connection has been made, turn on the water supply (The pump is designed to have the water turned on at all times).

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 every 500 hours of operation. Run pump for 30 minutes prior to changing the pump oil. This will warm the pump allowing the oil to flow better when draining from the pump.
- 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.

Water Filter Inspection

- To insure the long life of the pump the external filter element needs to be inspected and/or replaced every 6 months or as needed. 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.

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

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.
- It is recommended that the power supply to the pump be a dedicated circuit with a breaker capable of 1.5 times the rated full-load amps of the pump.
- 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 motor .
- Check the oil level with the dipstick and the sight gauge. The proper level is ½ full on the sight gauge.

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 white extension bracket with provided nut and washers. Place the blue filter housing in 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, located off of solenoid valve). 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 to 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.

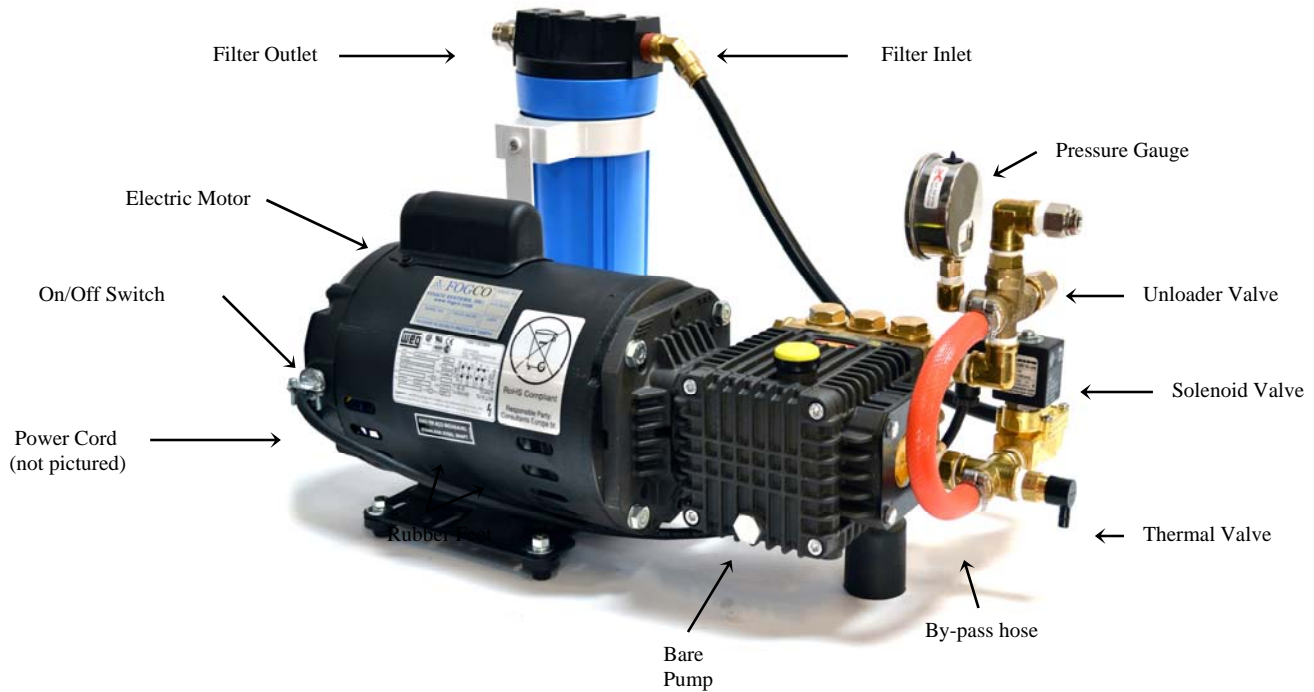
Technical Information

Model	Size LPM	Motor HP	Volts / Phase	Full Load Amps	Dimension cm	Weight kg
8100215	.8	1	230/1	7.1	23.5x12.5x10.5	55
8200215	1.6	1	230/1	7.1	23.5x12.5x10.5	55
8300215	3.5	1	230/1	7.1	23.5x12.5x10.5	55
8400215	4.4	1	230/1	7.1	23.5x12.5x10.5	55
8700215	6.6	1.5	230/1	11.3	24x12.5x10.5	55

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	Solenoid Valve	Unloader Valve	Pressure Gauge	Rubber Feet	On/Off Switch	Power Cord	Thermal Valve
8100215	93239	92933	93596	93521	93585	93183	95002	93359	95007
8200215	92931	92933	93596	93521	93585	93183	95002	93359	95007
8300215	92783	92933	93596	93521	93585	93183	95002	93359	95007
8400215	93533	92933	93596	93521	93585	93183	95002	93359	95007
8700215	92784	93221	93596	93521	93585	93183	95002	93359	95007

Certified DD Series Pump Replacement Parts



Certified DD Series Pump Wiring Diagram

