



FOGCO™

Users Manual Professional Series Direct Drive Pump .25 - 2 GPM Series



Safety, Operating, Installation, and Maintenance Instructions

Safety Instructions

Remove the **RED** shipping plug in the pump crankcase and replace it with the provided **YELLOW** oil dipstick before operating the pump.

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 - This pump is equipped with a low water safety switch. It will prevent the pump from operating if there is not sufficient water pressure on the pump inlet. 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). If the pump does not turn on when the On/Off switch on the motor box 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

Changing Pump Oil

- 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.**

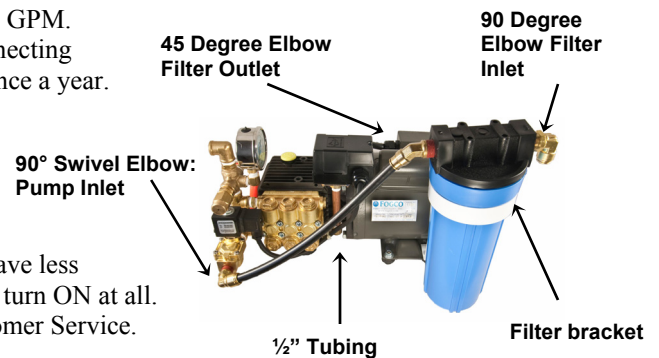
- The pump should be installed above top grade level on a solid foundation. It should be in a cool, dry location with easy access to water and power. It should be located near a drain.
- If the system will be used in freezing conditions, the pump should be located in a place where the temperature can 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 Professional 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 is required for every pump.

- A Fogco Filter Starter Kit is recommended for pumps up to 3 GPM. When installing the filter, flush for thirty seconds before connecting to the pump. Replace cartridges as needed but no less than once a year.

Low water pressure safety switch.

- This pump is equipped with a low pressure safety switch. This switch will prevent the pump from operating if there is insufficient incoming water pressure. The pressure setting on the switch is set at the factory for 35 PSI. If you have less than 35 PSI, the pump may rapidly cycle ON and OFF or not turn ON at all. If this is the case, turn the pump off and Contact Fogco Customer Service.



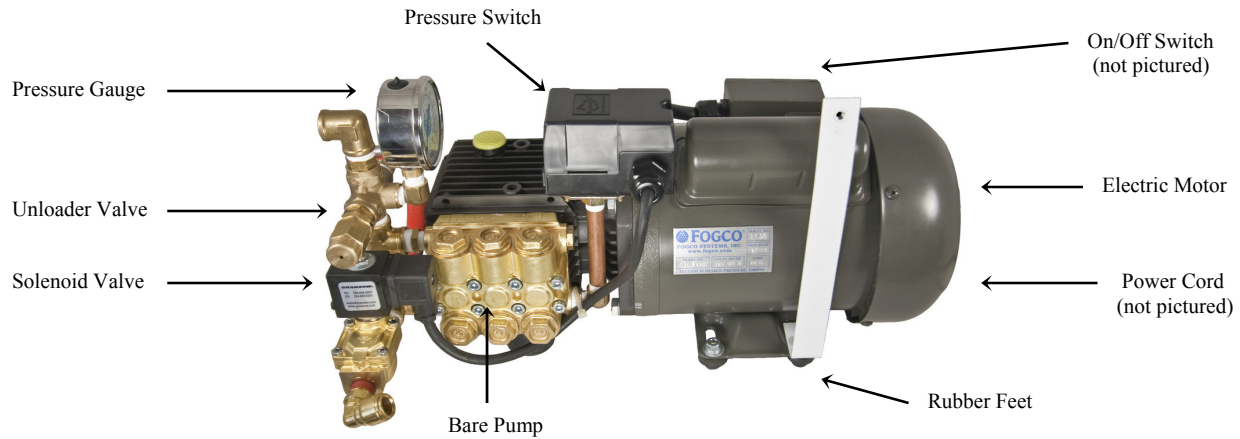
Technical Information

Model	Size	GPM	Motor HP	Volts / Phase	Full Load Amps	Dimension In.	Weight Lbs
6025116	.25	.5	.5	115-1	7.4	8 x 22 x 10	55
6025216	.25	.5	.5	230-1	3.7	8 x 22 x 10	55
6050116	.5	.5	.5	115-1	7.4	8 x 22 x 10	55
6050216	.5	.5	.5	230-1	3.7	8 x 22 x 10	55
6100116	1	1.0	1.0	115/1	14	8 x 22 x 10	60
6100216	1	1.0	1.0	230/1	7	8 x 22 x 10	60
6150116	1.5	1.5	1.5	115/1	17.4	8 x 22 x 10	63
6150216	1.5	1.5	1.5	230/1	8.7	8 x 22 x 10	63
6200116	2	1.5	1.5	115/1	17.4	8 x 22 x 10	65
6200216	2	1.5	1.5	230-1	8.7	8 x 22 x 10	65

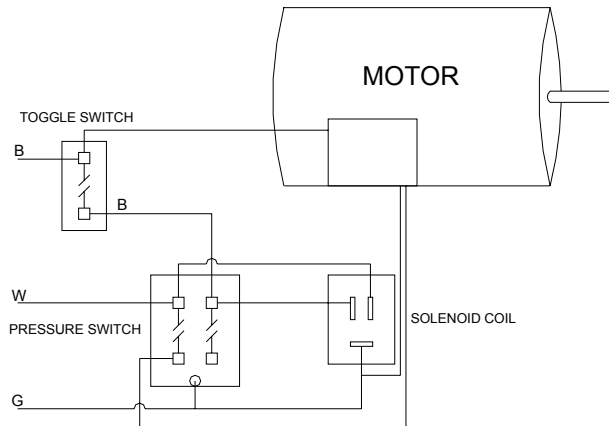
Full Load Amps are the average amp draw for the pump and will vary from unit to unit. All information listed is subject to change.

Model #	Bare Pump	Electric Motor	Solenoid Valve	Unloader Valve	Pressure Gauge	Rubber Feet	On/Off Switch	Power Cord	Pressure Switch
6025116	93239	93542	93368	93521	93585	93183	93206	93174	92509
6025216	93239	93542	93596	93521	93585	93183	93206	93153	92509
6050116	92931	93542	93368	93521	93585	93183	93206	93174	92509
6050216	92931	93542	93596	93521	93585	93183	93206	93153	92509
6100116	92783	94073	93368	93521	93585	93183	93206	93174	92509
6100216	92783	94073	93596	93521	93585	93183	93206	93153	92509
6150116	93533	92786	93368	93521	93585	93183	93206	93174	92509
6150216	93533	92786	93596	93521	93585	93183	93206	93153	92509
6200116	92784	92786	93368	93521	93585	93183	93206	93174	92509
6200216	92784	92786	93596	93521	93585	93183	93206	93153	92509

Professional Series Pump Replacement Parts



Professional Series Pump Wiring Diagram



Product Registration Form

Return registration form with a copy of the invoice within 30 days to activate warranty.

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Purchased from: _____

Date of purchase: _____

Pump Model Number (on metal tag): _____

Pump serial number (on metal tag): _____

Manufacture date (on metal tag): _____

Are you interested in additional Maintenance information: YES[] NO[]

Description of the manner in which this product is used: _____

Return within 30 days with a copy of invoice to:

Fogco Systems, Inc.
600 South 56th Street #9
Chandler, AZ. 85226
Attention: Warranty Registration

Fogco Products Limited Warranty

Fogco Systems, Inc. is proud of its products and committed to providing the best designed and manufactured high-pressure fog products available. This Limited Warranty explains Fogco's warranty and warranty procedures.

Comments and Questions: We welcome comments and questions regarding our products. Please contact us at:

Fogco Systems, Inc.
600 S 56th Street #9
Chandler, Arizona 85226
Phone: 480-507-6478
Fax: 480-838-2232
Website: www.fogco.com
E-mail: info@fogco.com

Scope of Warranty: All Fogco systems are warranted against defects in workmanship and materials. Fogco does not warranty components due to normal wear including pump seals, valves, nozzles, and pulley belts. Fogco does not warranty components due to misuse and/or abuse.

Repairs Outside the Scope of the Warranty: Problems with Fogco products can be due to improper maintenance, faulty installation, inappropriate additions or modifications to the system, or other problems not due to defects in Fogco workmanship or materials. If the Fogco Service Center determines that the problem with the product is not due to defects in workmanship or materials, the customer will be responsible for the cost of any necessary repairs and any freight expense to return the product to the customer.

Warranty Period: Fogco Professional Series Pumps are warranted for a period of 12 months from the date of sale. All warranty claims must be submitted to the Fogco Service Center prior to the expiration of the warranty period.

Warranty Validation: To activate the Warranty on Fogco products, customer must submit Fogco Products Registration Form along with a copy of the product invoice within 30 days of purchasing the product.

Procedure to Receive Warranty Service: To return Fogco products for warranty service, call the Fogco Service Center for a Return Authorization Number. Customers should then properly pack and secure all pumps to a pallet and ship prepaid to the Fogco Service Center. An explanation of the defect or problem; a description of the way in which the Fogco product is used; the customer's name, address and telephone number; the pump model number; and the pump serial number should be included with the shipment. The Return Authorization Number must be noted on the outside of the shipment or it may be refused and returned to the customer at the customer's expense.

Repairs by Other than the Fogco Service Center: Fogco Systems, Inc. must provide prior approval for any repairs done outside of the Fogco Service Center or the Fogco Warranty will be void.

Repairs or Replacement Within the Scope of the Warranty: If a Fogco product is defective due to Fogco workmanship or materials and the defect occurs during the warranty period, then Fogco will either repair or replace the product at Fogco's discretion. Fogco is not responsible for removal and shipping of the system to the Service Center, the reinstallation of the system upon its return to the customer, or any incidental or consequential damages resulting from the defect, removal, reinstallation, or shipment of the product.

Product Specification: All product specifications, applications and other information provided in Fogco's publications are subject to change without notice and should be confirmed with Fogco prior to ordering.

No Other Warranties and Liability Limitation: This Limited Warranty and service Policy represents Fogco's sole and exclusive warranty obligation with respect to Fogco System Inc, products. Fogco's liability to a customer or any other person shall not exceed the purchase price of the Fogco system. Fogco disclaims all other expressed and implied Warranties including the implied Warranties of fitness for a particular purpose and merchantability.