



## **Maintenance:**

The WFS will require frequent cleaning of the inlet mesh screen and periodic filter replacement. Watch for the following indications of required service caused by plugged screen or filters:

- Reduced water flow
- Pump is surging and straining
- Pump shuts down when filters are loaded and discharge pressure reaches 45 psi

## **Troubleshooting**

### **Pump will not start**

- Check power is **ON**
- Check the circuit breaker on the WFS unit is not tripped
- Check that GFCI on WFS unit is not tripped
- Correct voltage 115 VAC (+/- 10%)
- Check if pump is hot - thermo protection shuts down motor at 230° F and restarts automatically when cooled down
- Check that outlet hose is not kinked

### **Pump will not prime**

- Out of water supply
- Inlet screen is plugged - Clean inlet screen; operation without this screen is not recommended
- Check for a large amount of sediment in filter housing. Replace the 20 and 5 micron filters if required
- Suction hose has a serious vacuum leak
- Inlet or outlet hose has a sharp kink
- Pumping housing is cracked

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## ***Water Filtration Model OWF115***



This commercial and industrial water filtration system is designed for purification of waste water from portable showers and similar sources at construction sites.

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The Omnitec Design Water Filtration System is a self priming, positive displacement pump with up to 9 feet vertical lift. The unit has a #50 mesh screen on the inlet side with 20 and 5 micron filters downstream of the pump to remove fine suspended impurities. When properly used, the OWF System can be used for intermittent or continuous service.

## **SPECIFICATIONS**

**Power:** 115 VAC, 1 amp

**Controls:** ON/OFF Switch; 1 amp Circuit Breaker; GFCI

**First Filter:** 20 micron, 9<sup>3</sup>/<sub>4</sub>" x 2<sup>3</sup>/<sub>4</sub>"

**Final Filter:** 5 micron, 9<sup>3</sup>/<sub>4</sub>" x 2<sup>3</sup>/<sub>4</sub>"

**Housing:** Aluminum 0.080", mill finish, size 15"H x 8"W x 23"L

**Weight:** 25 lbs.

### **ORDERING INFO..... PART #**

Water Filtration System 115 VAC..... OWF115

Filter, 20 micron, (Qty 2) ..... OWF20

Filter, 5 micron, (Qty 2)..... OWF5

## **CAUTION - Pump Limitations**

- ***DO NOT USE TO PUMP FLAMMABLE LIQUIDS***
- ***NEVER OPERATE THE PUMP IN AN EXPLOSIVE ENVIRONMENT***
- ***DO NOT ASSUME FLUID COMPATIBILITY***
- ***DO NOT ADJUST PRESSURE SWITCHES WITHOUT CONSULTING WITH PUMP MANUFACTURER***
- ***DO NOT USE PUMP WITH FLUIDS AT TEMPERATURES HIGHER THAN 130° F***

## **OPERATING INSTRUCTIONS**

**Unpacking:** Check unit for damage.

**Operation:** Place the Water Filtration System (WFS) close to the waste water source on a level, dry surface standing upright. WFS pump is self priming and the discharge pressure is factory set at 45 psi.

### **To start the machine:**

1. Connect the suction hose (garden hose thread) from the waste water source to WFS inlet connection, and from WFS outlet to drain. Make sure the hose is not kinked or damaged.
2. Connect power cord to 115VAC grounded circuit. ***Keep the cord out of water and do not route it under the unit.***

3. Turn unit **ON** and wait for the pump to prime the system. Check that the water is discharging from the unit.

*Note: New filters take longer to fill with water.*

4. When the water source is depleted, turn the pump **OFF**. The pump can operate dry without damage, but it is better to shut it down.

