



OMNIFLOW

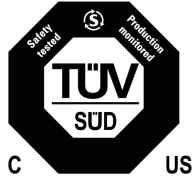
Water Filtration System



Operation and Maintenance Manual

WARNING

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 degrees Fahrenheit.



CONFORMS TO UL STD 507
CERTIFIED TO CAN/CSA STD
C22.2 NO. 113-M1984

Safety Warning Instructions:

READ AND SAVE THESE INSTRUCTIONS

This equipment to be operated only by trained personnel.

Do not use with combustible or explosive material.

Connect only to grounded outlet with GFCI device.

Disconnect power for cleaning and servicing.

Do not operate if cord or plug is damaged. Contact a authorized service facility for examination and/or repair.

Do not run cord under carpeting.

Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic areas and where it is not a tripping hazard.

Avertissement de sécurité Instructions:

LIRE ET CONSERVER CES INSTRUCTIONS

Cet équipement doit être utilisé que par un personnel formé.

Ne pas utiliser avec des matières combustibles ou explosives.

Connectez uniquement à une prise mise à la terre avec un dispositif GFCI.

Coupez l'alimentation électrique pour le nettoyage et l'entretien.

Ne pas utiliser si le cordon ou la fiche est endommagé. Contactez un centre de service autorisé pour examen et/ou réparation.

Ne pas passer le cordon sous un tapis. Ne pas couvrir le cordon avec des carpettes, les coureurs, ou revêtements similaires.

Éloigner le cordon des endroits passants et où il n'est pas un risque de déclenchement.

The OmniFlow is commercial and industrial water filtration system designed for purification of contaminated water at asbestos, lead abatement projects and similar sources at construction sites. Our portable system consists of self priming, positive displacement pump and two filtration stages with 20 and 5 micron filters. The unit is capable of high suction lift and 45 psi discharge pressure. This portable unit has a strong aluminum housing with rubber grip handle and easily accessible hose connections. OmniFlow's two-stage filtration allows for the use of various filter cartridges to meet your requirements. Our standard configuration consists of a 20µ and 5µ filter.

OmniFlow Specifications

Flow Capacity: 3 gpm

Filtration Stages: 50# screen, 20 & 5 micron filters

Water Connection: 3/4" male garden hose connection

Power Requirements: 115 VAC/60Hz, 1.0 amps

Electrical Protection: circuit breaker

Housing: aluminum, riveted construction

Size/Weight with Filters: 8"W x 15"H x 23"L; 25 lbs.

Operating Instructions

Unpacking: Check unit for damage.

Locate the Water Filtration System (WFS) close to the waste water storage on a level, dry surface and standing upright. WFS pump is self priming and has up to 9 feet of vertical lift. 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 storage to WFS inlet connection and from WFS outlet to drain. Make sure the hose is not kinked or damaged.
2. Connect power cord to 115 VAC 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 and check that the water is discharged from the unit. Note: New filters take longer to fill with water.
4. When you deplete the water source, turn the pump OFF. The pump can operate dry without damage, but it is better to shut it down.

Maintenance of the OmniFlow

The WFS unit 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:

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

ALWAYS FOLLOW YOUR ESTABLISHED HAZMAT PROCEDURES.

Troubleshooting

Your Omnitech Design machine is designed and engineered to provide years of trouble free service. Occasionally though problems do occur. Here are some helpful tips and solutions to common problems.

The pump will not start

1. Check power is ON
2. Check the circuit breaker on the WFS unit is not tripped
3. Check that GFCI on WFS unit is not tripped
4. Correct voltage 115 VAC (+/- 10%)

5. Check if pump is hot - thermo protection shuts down motor at 230° F and restarts automatically when cooled down.
6. Check that outlet hose is not kinked.

The pump will not prime

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

Ordering Info

OmniFlow

Water Filter, 20 Micron

Water Filter, 5 Micron

Part #

OWF115

OWF20

OWF5

Omnitec Design LIMITED WARRANTY

Omnitec Design warrants, for a period of twelve (12) months from the date of purchase, that all Products, component parts and accessories, excluding filters, will be free from defects in material and workmanship under normal use and service.

THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS F.O.B., Omnitec Design 4640 Campus Place Ste. 100, Mukilteo, WA 98275
Phone: 425-290-3922

In order to keep this warranty in effect for the aforementioned twelve-month period, the purchaser must (i) promptly, i.e., immediately upon discovery, inform Omnitec Design's customer service of any defects, and (ii) properly use and maintain the Product prior to the discovery of any defect.

This warranty does not cover normal wear and tear or defects caused by (i) improper or negligent handling or unauthorized modifications; (ii) defective or improper premises, chemical, or electrical influences; or (iii) weather or other forces of nature.

In order to provide the best customer service possible, Omnitec Design requests that purchaser completes the enclosed LIMITED WARRANTY REGISTRATION FORM and returns it to Omnitec Design within 30 days of purchase date.

LIMITATIONS OF WARRANTY

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY AND ALL OTHER WARRANTIES AND OBLIGATIONS OF Omnitec Design OR ITS SUPPLIERS, EXPRESS OR IMPLIED, AND Omnitec Design EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

LIMITATION OF REMEDY

Under no circumstances shall Omnitec Design or any supplier of Omnitec Design be liable for any loss or damage, including, but not limited to, loss or damage arising out of the failure of the Products to operate for any period of time, inconvenience, the use of rental or replacement equipment, loss of profits or other economic loss, or general, direct, special, indirect, incidental or consequential damages or property damages.

PRODUCT SUITABILITY

Many states and localities have their own varied codes and regulations governing sales, construction, installation, and/or use of Products for certain purposes. While Omnitec Design attempts to assure that its Products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the Products are installed or used. Omnitec Design recommends that, before purchasing and using a Product, purchasers review the Product application, and federal, state and local regulations, to be sure that the Products, installation, and use will comply with them.