



## Universal PFH Plastic Bag Vessel User Manual

### 1. Filter Housing Installation

Position the filter so that the fluid enters the inlet connection. The bag filter must be bolted to the floor to insure proper piping installation. A integral flange on the base of the bag filter will accept 3/4" studs.

For installation in metal piping systems it is recommended that a bag filter with flanged connections be used.

Connect inlet and outlet piping, along with any gauges, valves, or vents, using industry standards.

The vent fitting must be installed on the top of the unit.

The top of the vent fitting is normally plugged. This plug can be removed and replaced with a pressure gauge that measures the inlet pressure to the bag filter. It is recommended that a gauge guard be installed between the filter vent and the gauge.

#### Threaded Connections

The tape should be wrapped in a clockwise direction starting at the first or second full thread. Overlap each wrap by 1/2 the width of the tape.

The wrap should be applied with sufficient tension to allow the threads of a single wrapped area to show through without cutting the tape. The wrap should continue for the full effective length of the thread.

#### Flanged Connections

Flange bolts should be tight enough to slightly compress the gasket and make a good seal without distorting or putting excessive stress on the flanges. Suitable washers should be used between the bolt head and flange and the nut and flange. Nuts and 5/8" diameter bolts should be metal, well lubricated and used with soft rubber gaskets. Bolts should be tightened in alternating sequence.

## 2. Filter Bag Installation

Filter housings are not delivered with the filter bags installed, they must be installed as follows:

Open the cover. Remove the bag hold down ring . If opening the housing for the first time remove restrainer basket and clean the inside of the housing to remove any shipping dust or packing debris. Inspect all O-rings, place the restrainer basket (if not already installed) into the filter housing.

Insert the filter bag into the restrainer basket after first removing the label from the bag.

## 3. Maintenance

The filter housing does not require any special maintenance other than cleaning with normal use. All parts should be regularly checked for damage. Install a new filter bag at every product change or if the bag becomes blinded. Differential pressure (the difference in pressure before and after the filter) will reveal if blinding has occurred.

Universal recommends changing the filter bag at a differential pressure of 1.5 bar; higher levels cause inefficient operation of the filter system and may force particulate through the filter bag material and contaminate the downstream liquid.