

AXI PF-10/30/40 HD

INTERNATIONAL Mobile, High Capacity Pre-Filter Assembly

The AXI Pre-Filter System is designed to provide large-capacity, heavy duty pre-filtering when used as an accessory to AXI MTC Mobile Tank Cleaning Systems, or as a stand alone pre-filter unit. AXI Pre-Filter Systems facilitate the tank cleaning process by trapping extraordinary amounts of sludge, rust, scale, and other contaminants upstream. Utilizing an AXI Pre-Filter assembly provides a substantial reduction in the cost of consumables during a tank cleaning operation because pre-filter bags are inexpensive compared to fine filtration methods. AXI Pre-Filter assemblies can include a hose-kit to connect the pre-filter to the MTC System. Optional pre-filter assemblies include ball valves for the inflow and outflow lines, a drain valve, and a vacuum gauge to indicate the need to change the filter bag. The PF-10 HD and PF-30 HD are able to be mounted on a heavy-duty aluminum two-wheel cart for ease of mobility and setup.



PF-30 HD (Cart Optional)



PF-40 HD



PF-10 HD (Cart Optional)

AXI PF-10/30/40 HD FEATURES:

- Cost Effective Pre-Filtering
- Easy Connectivity
- Easy Filter Bag Replacement
- Large Holding Capacity For Contaminants
- Wide Range Of Filter Bag Micron Sizes
- Cart Optional

For the PF-10 HD and the PF-30 HD, the pre-filter connects easily to your MTC using cam & groove fittings and includes a 6-foot clear hose to connect to the MTC. The assembly package is equipped with a vacuum gauge, shut-off and drain valves, as well as one inlet, one discharge pipe fitting that enables maximum flexibility when configuring system connections. The pre-filter vessels use felt or multifilament mesh to remove heavy particulate and sludge from 800 micron down to 1 micron, and include a perforated, stainless steel strainer basket.

	PF-10 HD	PF-30 HD	PF-40 HD
MTC Connectivity	MTC-500	MTC-1000 and 3000	Independent Pre-Filter
Available Connection	Cam & Groove Quick Disc	Cam & Groove	Vessel Only
Shut-Off Valve	1"	1.5"	(Optional)
Drain	1/2" NPT	1" NPT	(Optional)
Gauges	Stainless Steel Liquid-Filled Vacuum Gauge	Stainless Steel Liquid-Filled Vacuum Gauge	(Optional)
Dimensions	26" x 19.5" x 5.5" (H x W x D) (66 x 50 x 14 cm)	40" x 28" x 8.5" (H x W x D) (102 x 71 x 22 cm)	56" x 14" x 14" (H x W x D) (142 x 35.5 x 35.5 cm)
Weight	16 lbs (7 kg) (w/out cart)	112 lbs (51 kg) (w/out cart)	160 lbs (72 kg) (w/out cart)



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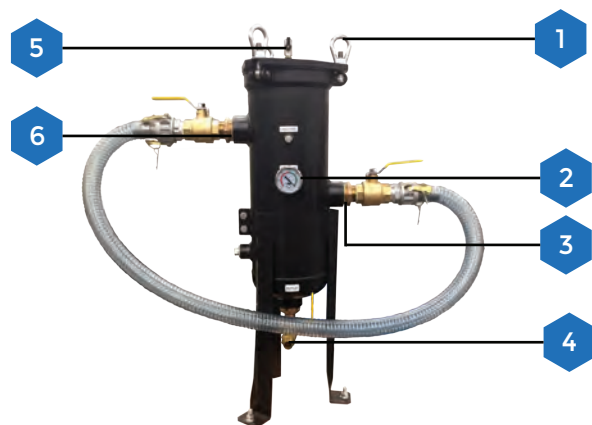
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SERVICING BAG FILTER

Changing PF Bag Filter



1. Eye Bolts
2. Vacuum Gauge
3. Outlet
4. Drain Valve
5. Air Purge Valve
6. Inlet

Note: Always have an adequate supply of filter elements on hand.

The vacuum gauges on the bag filter vessel show the pressure drop over the filter. 15" Hg vacuum indicates the bag filter element should be replaced.

1. For a "no mess" bag filter change, the bag filter vessel should be pumped empty, or the fuel in the filter should be drained to a lower level
2. While operating the pump motor at minimum speed, close the inlet ball valve for the bag filter vessel, then open the air purge valve on the top of the bag filter housing to allow air to enter and the fuel to be drawn out of the vessel
3. The pump will begin to purge the fuel out of the filter vessel as air enters the vent. After a few moments when most of the fuel has been withdrawn from the vessel, turn the MANUAL/OFF/AUTO switch to OFF, and then remove the lid to access the bag filter
4. Replace bag filter element and make sure it seals tight within the perforated basket. If a hold-down spring is included with the vessel, place the hold-down spring on top of the filter bag to hold it down during operation. For best results bag should be fully extended into the basket
5. Apply a film of lubricating oil to the lid gasket. Replace O-Ring if worn or damaged
6. Tighten lid screws evenly (alternating the screws) to ensure air cannot enter the system, and lid is fully seated onto O-Ring gasket
7. Close the vent valve.
8. Open the bag filter vessel inflow valve and resume pumping operation. Check for leaks and air intrusion.
9. The material collected inside the filter bag can be inspected to better understand the types of contaminants that have been removed from the tank. The material trapped inside the filter can be inspected to better understand the types of contaminants that have been removed from the tank.

Note: Disposal of fuel, associated waste, and filters must be in accordance with all applicable Federal, State, and Local rules, laws, standards, and regulations.



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