



MTC HC-300

High Capacity Mobile Fuel Polishing System

The MTC HC-300 is a high capacity mobile fuel polishing system designed to efficiently clean and restore fuel to pristine condition. While connected to a fuel storage tank, the MTC HC-300 act as a dialysis system effectively removing contaminants from such as sludge, particulate, sediment, and water. The system features isolation valves to allow for a multi-phased fuel polishing process and continuous operation during filter changes. The MTC also features a variable frequency drive to control pump motor speeds allowing for a flow rate range of 10 - 300 GPM.



Over time, stored fuel can begin to degrade and even harbor contaminants such as water, sediment, and microbes upon delivery. On-board fuel filters should last thousands of hours. However, frequent filter changes and fuel replacement have become common maintenance practices that only address the symptoms of poor fuel quality.

AXI International's High Capacity MTC Systems serve to remove contaminants and restore fuel quality to ensure reliable and uninterrupted engine performance.

MTC HC-300 SPECIFICATIONS

Nominal Flow Rate	10 - 300 GPM/18,000 GPH (1,136 LPM/68,137 LPH)
Primary Filter	Four-Bag Carbon Steel Filter Vessel, Replaceable Filter Bags 5 μ – 800 μ
Secondary Filters	Two Carbon Steel Filter Housing, 2 - 30 μ Particulate, 5, 10, 15 μ Water Block, or 3 - 10 μ Microglass Filters
Fuel Conditioner	Inline 3" Magnetic Fuel Conditioner
System Controller	UL508A Smart Filtration Controller with Safety and Alarm Features
Pump	15 HP Sliding-vane Pump
Power	480V/3Ph/50Hz/30A or 230V/3Ph/60Hz/30A
Plumbing	Black Iron
Ports	4" Cam & Groove In, 4" Cam & Groove Out
Hoses	4" - 25 ft Suction Hose 4" - 25 ft Discharge Hose
Skid	Powder Coated Carbon Steel, Filter Service Deck, and 200 Gallon Lea Basin with Drain
Dimensions	\approx 96" x 54" x 82" (H x W x D) (244 x 137 x 208 cm)
Weight	\approx 5500 lbs (2495 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

MTC HC-300 FEATURES:

- Multi-Stage High Capacity Filtration Vessels
- High Flow Rate Vane Pump/Motor Assembly
- Variable Frequency Drive (VFD) - *Allows for a range of achievable flow rates*
- 200 Gallon Leak Basin with Drain
- Smart Filtration Controller
- Unique Safety & Alarm Features



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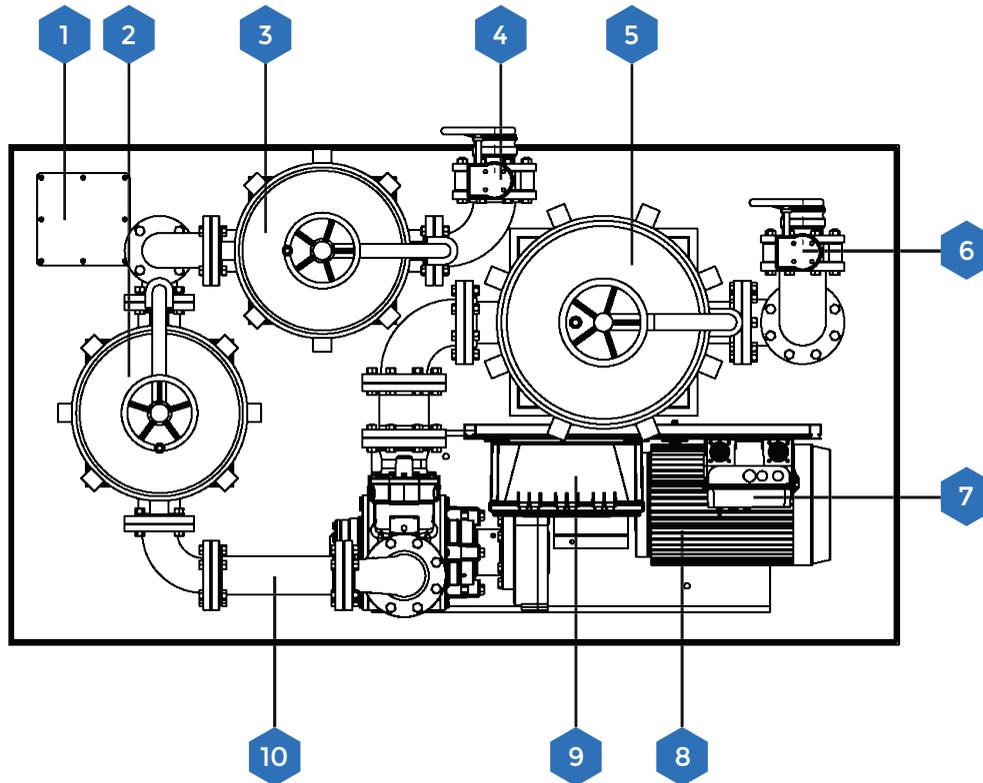
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AXI MTC HC-300

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1. Leak Basin Access
2. Secondary Fine Filter Vessel #1
3. Secondary Fine Filter Vessel #2
4. Fuel Outlet (To Tank)
5. Primary Bag Filter Vessel
6. Fuel Inlet (From Tank)
7. Variable Frequency Drive (VFD)
8. Motor with Coupled Vane Pump
9. Smart Filtration Controller
10. inline Fuel Conditioner

REPLACEMENT FILTER OPTIONS:

Bag Filter	Part No.	Cartridge Filters	Part No.
1 μ Particulate	PFB-150-1	2 μ Particulate	618-2-W
5 μ Particulate	PFB-150-5	10 μ Particulate	618-10-W
10 μ Particulate	PFB-150-10	10 μ Water Block	WA618-10-W
25 μ Particulate	PFB-150-25	30 μ Particulate	618-30-W
75 μ Particulate	PFB-150-75	30 μ Water Block	WA618-30-W
250 μ Particulate	PFB-150-250	3 μ Micro Glass	G618-3-SR
800 μ Particulate	PFB-150-800	7 μ Micro Glass	G618-7-SR
		10 μ Micro Glass	G618-10-SR