

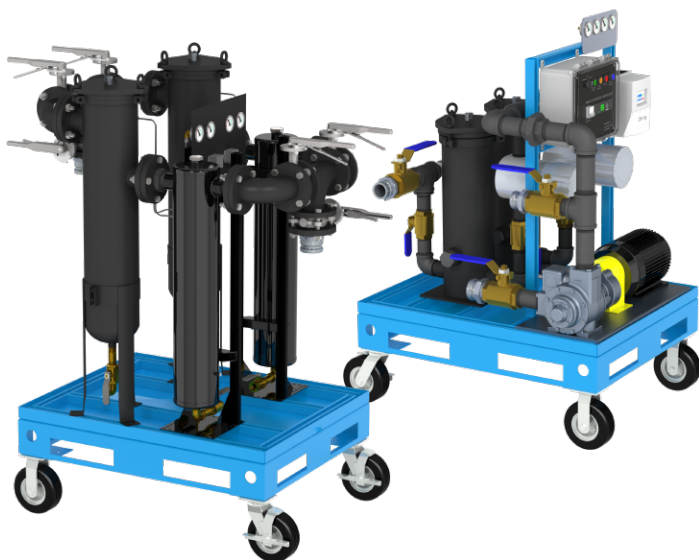


# MTC HC-150

## High Capacity Mobile Fuel Polishing System



The MTC HC-150 is a high capacity mobile fuel polishing system designed to efficiently remove water, sludge, and other contaminants from fuel storage tanks. Once on site, the MTC HC-150 can be operated to ensure fuel reliability through routine servicing of the fuel tank(s). The system's fuel polishing process stabilizes diesel and bio-fuels by eliminating various contaminants, ensuring the fuel remains clean. These mobile systems feature a skid-based design that allows for maximum portability and ease of transportation between the various fuel tanks that require routine servicing.



### ◆ MTC HC-150 SYSTEM FEATURES:

- Multi-Stage Fuel Filtration
- Adjustable Flow Rate (VFD Controller)
- Dual-Skid Portable System Design
- Filter Isolation Capability for Uninterrupted Servicing
- Locking Cam and Groove Connections
- Fine Filter Bypass Capability
- Smart Filtration Controller
- Unique Safety & Alarm Features
- Remote Pendant Operation

### ◆ PRE-FILTER SKID SPECIFICATIONS:

Nominal Flow Rate	10 - 150 GPM (37.9 - 567.8 LPM)
Primary Filters	Bag Filter Vessel, Liner Basket for use with 1-800µ Filter Bags
Water Separators	FP-90 Mechanical Water Separator
Plumbing	Black Iron
Ports	3" Cam & Groove In 2.5" Cam & Groove Out
Suction Hose	Clear, 25ft (7.6 m), 3" Diameter
Dimensions	≈ 59" x 36" x 45" (H x W x D) (150 x 91 x 114 cm)
Weight	≈ 850 lbs (385.5 kg)

### ◆ PUMP SKID SPECIFICATIONS:

Nominal Flow Rate	10 - 150 GPM (37.9 - 567.8 LPM)
Secondary Filters	Cartridge Filter Vessel, 2-30µ Particulate, 10-30µ, Water Block Filters, 3-10µ Micro-glass Filters
Fuel Conditioner	LG-X 4000 Inline Magnetic Conditioner
System Controller	SFC80 Smart Filtration Controller with Safety and Alarm Features
Pump	10 HP Sliding Vane Pump
Power	240V/60Hz/3Ph or 480V/60Hz/3Ph
Plumbing	Black Iron
Ports	3" Cam & Groove In 2.5" Cam & Groove Out
Discharge Hose	25ft (7.6 m), 2.5" Diameter
Dimensions	≈ 59" x 36" x 45" (H x W x D) (150 x 91 x 114 cm)
Weight	≈ 710 lbs (286 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	



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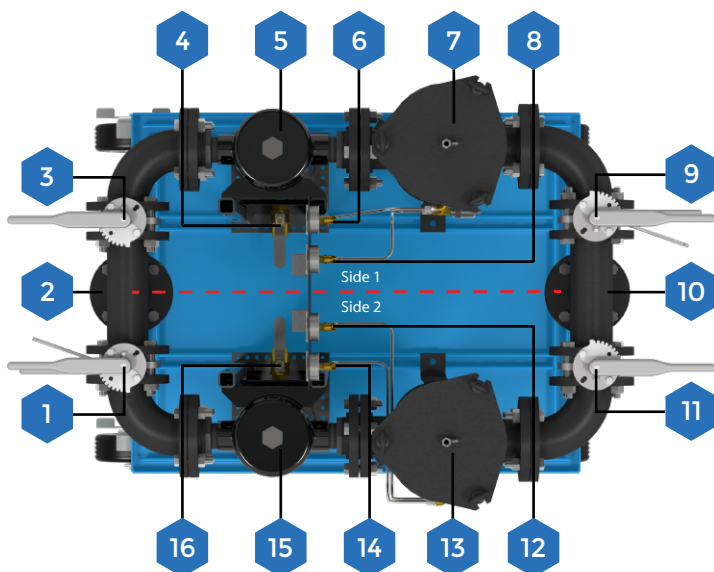
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# AXI MTC HC-150

High Capacity Mobile Fuel Polishing System

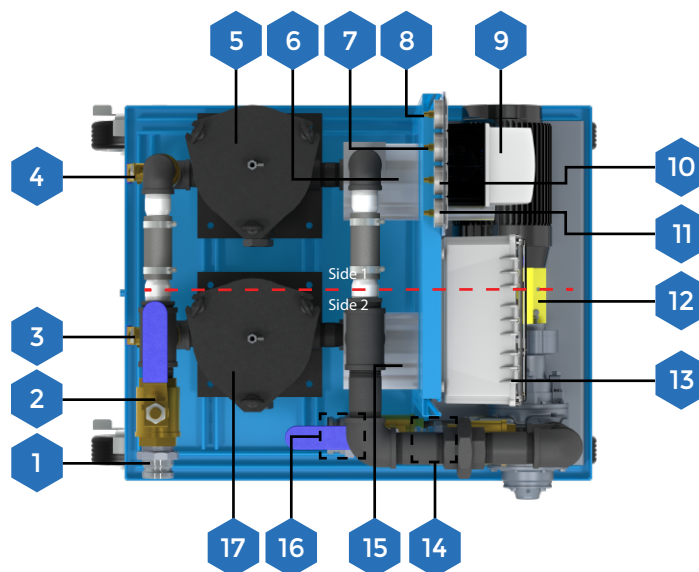


## PRE-FILTER SKID



1. Butterfly Isolation Valve
2. Fuel Outlet (To Pump Skid)
3. Butterfly Isolation Valve
4. Water Separator Drain Valve
5. Mechanical Water Separator
6. Inlet Vacuum Gauge (Side 1)
7. Primary Filter (Side 1)
8. Outlet Vacuum Gauge (Side 1)
9. Butterfly Isolation Valve
10. Fuel Inlet (From Tank)
11. Butterfly Isolation Valve
12. Inlet Vacuum Gauge (Side 2)
13. Primary Filter (Side 2)
14. Outlet Vacuum Gauge (Side 2)
15. Mechanical Water Separator
16. Water Separator Drain Valve

## PUMP SKID

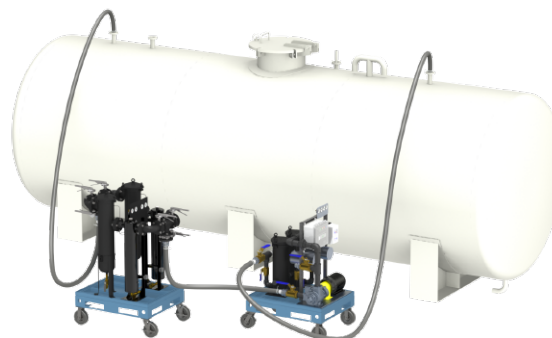


1. Fuel Discharge Port 2
2. Outlet Ball Valve (Discharge Port 2)
3. Side One Isolation Ball Valve
4. Side Two Isolation Ball Valve
5. Secondary Filter (Side 1)
6. Fuel Conditioner (Side 1)
7. Inlet Pressure Gauge (Side 2)
8. Outlet Pressure Gauge (Side 2)
9. Variable Frequency Drive (VFD)
10. Outlet Pressure Gauge (Side 1)
11. Inlet Pressure Gauge (Side 1)
12. Motor with Coupled Vane Pump
13. Smart Filtration Controller
14. Fuel Discharge Port 1 & Outlet Ball Valve (Discharge Port 1)
15. Fuel Conditioner (Side 2)
16. Fuel Inlet (from Pre-Filter Skid) & Inlet Ball Valve
17. Secondary Filter (Side 2)

## REPLACEMENT FILTER OPTIONS:

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

## MTC HC-150 SYSTEM INTEGRATION



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