



# MTC HC-150

## High Capacity Mobile Fuel Polishing System

AXI International's MTC HC-150 is a high capacity mobile fuel polishing dual-skid system designed to efficiently clean and restore diesel and bio-fuels to pristine condition. The MTC HC-150 features a multi-stage filtration process that includes a primary filters for the removal of bulk particulate and sludge, water separators for the separation and removal of water, and a secondary fine filters for the filtration of small particulates and other diesel fuel contaminants. The fuel polishing system's skid-based design allows for maximum portability and ease of transportation from tank to tank.



### 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

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.

### PRE-FILTER SKID SPECIFICATIONS

Flow Rate	10 - 150 GPM/9,000 GPH (567.8 LPM/ 34,068.7 LPH)
Primary Filters	Bag Filter Vessel, Liner Basket for use with 1-800µ Filter Bags
Water Separator	FP-90 Mechanical Water Separator
Ports	3" Cam & Groove In, 2.5" Cam & Groove Out
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

Flow Rate	10 - 150 GPM/9,000 GPH (567.8 LPM/ 34,068.7 LPH)
Secondary Filters	Carbon Steel Filter Housing, 2-30µ Particulate, 5, 10, 15µ Water Block Filters 5, or 10, 30µ Microglass Filters
Fuel Conditioners	LG-X 4000 Inline Magnetic Conditioner
System Controller	SFC-55 Smart Filtration Controller with Safety and Alarm Features
Pump	7 HP Sliding Vane Pump
Power	230V/50/60Hz/20A/1/3Ph or 480V/50/60Hz/20A/3Ph*
Ports	3" Cam & Groove In, 2.5" Cam & Groove Out
Dimensions	59" x 36" x 45" (H x W x D) (150 x 91 x 114 cm)
Weight	≈ 900 lbs (408.2 kg)
<b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b>	

\*At 50 Hz, nominal flow rate decreases from 90 GPM to 72 GPM



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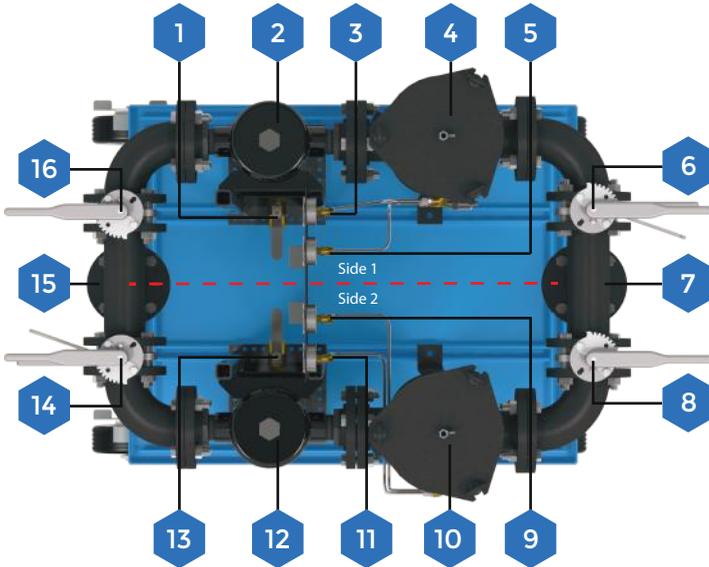
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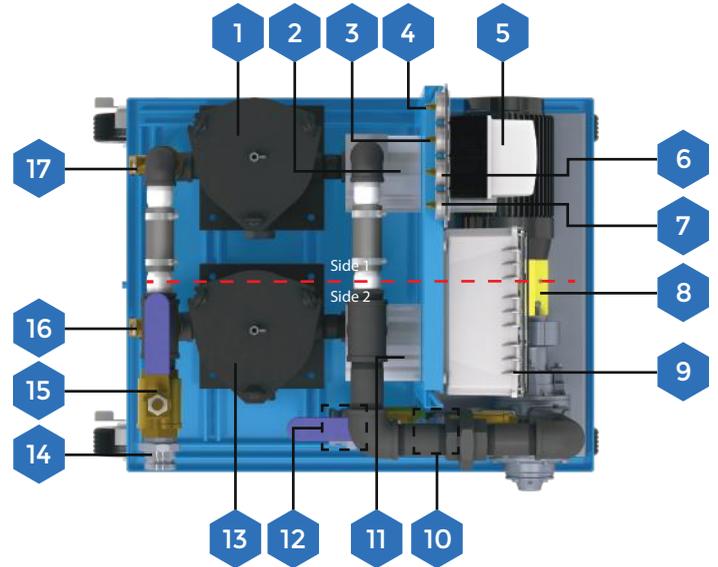
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## PRE-FILTER SKID



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

## PUMP SKID



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

## REPLACEMENT FILTER OPTIONS:

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

## MTC HC SYSTEM INTEGRATION

