



# MTC HC-90

## High Capacity Mobile Fuel Polishing System

AXI International's MTC HC-90 is a high capacity mobile fuel polishing skid designed to efficiently clean and restore diesel and bio-fuels to pristine condition. The MTC HC-90 features a multi-stage filtration process that includes a primary filter for the removal of bulk particulate and sludge, water separator for the separation and removal of water, and a secondary fine filter 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-90 SPECIFICATIONS

|  |   |
|--|---|
| Nominal Flow Rate  | 10 - 90 GPM/5,400 GPH (340.7 LPM/ 20,441.2 LPH)   |
| Primary Filter   | Bag Filter Vessel, Liner Basket for use with 1-800µ Filter Bags   |
| Water Separator  | FP-90 Mechanical Water Separator  |
| Secondary Filter   | Carbon Steel Filter Housing, 2-30µ Particulate, 5, 10, 15µ Water Block Filters 5, or 10, 30µ Microglass Filters |
| Fuel Conditioner   | LG-X 4000 Inline Magnetic Conditioner   |
| System Controller  | SFC-55 Smart Filtration Controller with Safety and Alarm Features   |
| Pump   | 3 HP Sliding Vane Pump  |
| Power  | 230V/50/60Hz/20A/1/3Ph or 480V/50/60Hz/20A/3Ph*   |
| Ports  | 2" Cam & Groove In, 2" Cam & Groove Out   |
| Clear Suction Hose   | 2" - 25 ft (7.6 m)  |
| Discharge Hose   | 2" - 25 ft (7.6 m)  |
| Dimensions   | ≈ 59" x 36" x 45" (H x W x D)<br>(150 x 91 x 114 cm)  |
| Weight   | ≈ 710 lbs (322 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

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-90 SYSTEM FEATURES:

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



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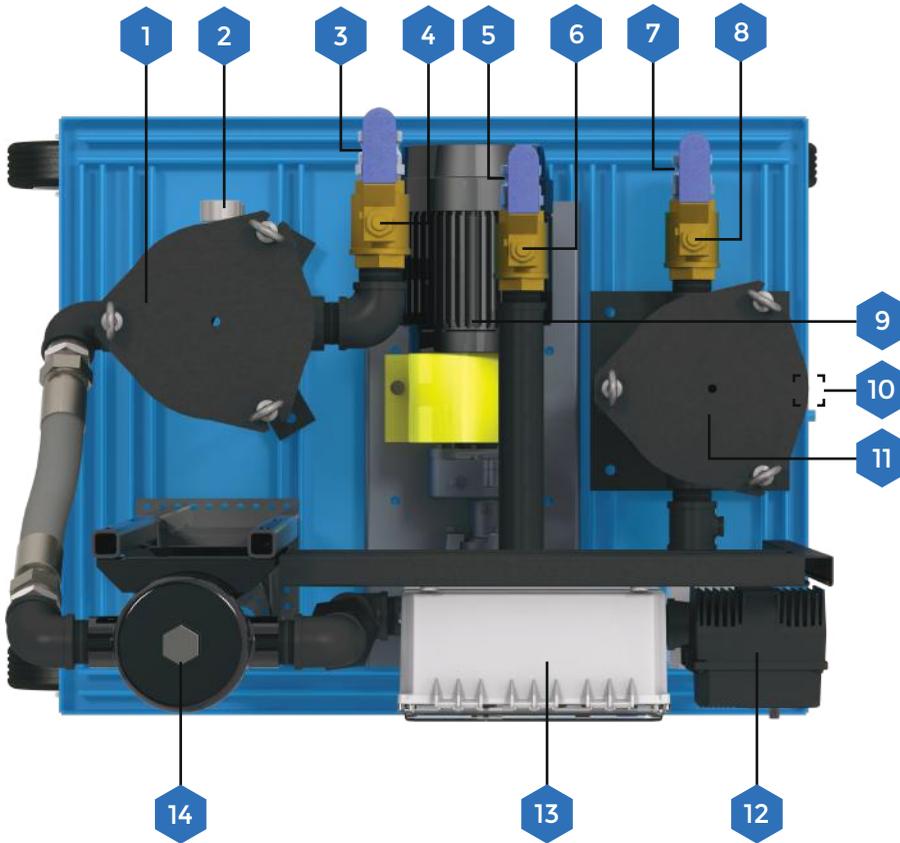
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1. Primary Filter Vessel
2. Vacuum Gauges
3. Fuel Inlet (From Tank)
4. Inlet Ball Valve
5. Fuel Discharge Port 1
6. Outlet Ball Valve (Discharge Port 1)
7. Fuel Discharge Port 2
8. Outlet Ball Valve (Discharge Port 2)
9. Motor with Coupled Vane Pump
10. Pressure Gauges
11. Secondary Fine Filter Vessel
12. Variable Frequency Drive (VFD)
13. Smart Filtration Controller
14. Mechanical Water Separator

## REPLACEMENT FILTER OPTIONS:

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

## MTC HC SYSTEM INTEGRATION

