



# MTC HC-90

## High Capacity Mobile Fuel Polishing System



The MTC HC-90 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-90 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-90 SPECIFICATIONS:

Nominal Flow Rate	10 - 90 GPM (37.9 - 340.7 LPM)
Primary Filter	Bag Filter Vessel, Liner Basket for use with 1-800 $\mu$ Filter Bags
Water Separator	FP-90 Mechanical Water Separator
Secondary Filter	Cartridge Filter Vessel, 2-30 $\mu$ Particulate, 10-30 $\mu$ Water Block Filters, or 3-10 $\mu$ Micro-glass Filters
Fuel Conditioner	LG-X 4000 Inline Magnetic Conditioner
System Controller	SFC70 Smart Filtration Controller with Safety and Alarm Features
Pump	3 HP Sliding Vane Pump
Power	208-230V/60Hz/1Ph, 230V/50Hz/1Ph, 240V/60Hz/3Ph, or 480V/60Hz/3Ph
Plumbing	Black Iron
Ports	2" Cam & Groove In 2" Cam & Groove Out
Suction Hose	Clear, 25ft (7.6 m), 2" Diameter
Discharge Hose	25ft (7.6 m), 2" Diameter
Dimensions	$\approx$ 59" x 36" x 45" (H x W x D) (150 x 91 x 114 cm)
Weight	$\approx$ 710 lbs (286 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

### 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

### REPLACEMENT FILTER OPTIONS:

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

*\*Standard-issue filter element unless requested otherwise*



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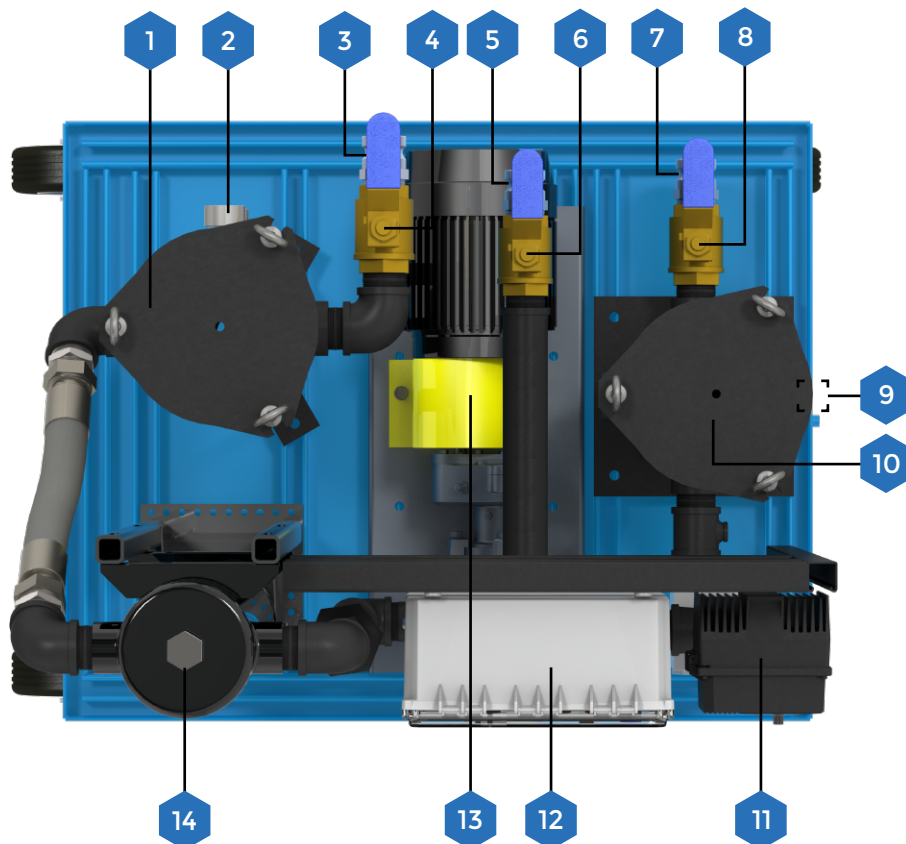
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1. Primary Bag Filter Vessel
2. Vacuum Gauges
3. Fuel Inlet (From Tank)
4. Inlet Ball Valve
5. Fuel Discharge Port 1
6. Outlet Ball Valve (Discharge Port 1)
7. Fuel Discharge Port 2
8. Outlet Ball Valve (Discharge Port 2)
9. Pressure Gauges
10. Secondary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

## ◆ MTC HC-90 SYSTEM INTEGRATION

