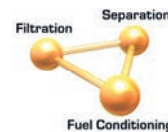


# MTC HC-50

## High Capacity Mobile Tank Cleaning System



**MTC HC-50 High Capacity Mobile Tank Cleaning Systems** are used to clean fuel storage tanks and recondition, stabilize and decontaminate Diesel Fuel, Bio-Diesel, Light Oils and Hydraulic Fluids. They offer multi-phase tank cleaning, water & sludge removal and transfer of fuels between tanks to guarantee **Optimal Fuel Quality at All Times**.



### MTC HC-50 Systems feature:

- High Capacity Fluid Processing
- Multiple Discharge and Sample Ports for Water Removal and Fuel Transfer
- Large Contaminant Holding Capacity
- Compact Industrial Design
- Tank Cleaning while Reconditioning, Stabilizing, Decontaminating & Drying Fuel

The MTC HC-50 is a four-stage mobile fuel conditioning and tank cleaning system that efficiently removes sludge and water from fuel storage tanks, restoring and optimizing fuel quality in the same operation.

The system is designed as a “fuel/oil dialysis system” that circulates and cleans fuel/oil by pumping it from the tank, processing it through the MTC and back into the tank.

AXI’s mobile tank cleaning systems excel in combining High Capacity Filtration & Water Separation with Compact Design and Low Operating Cost to provide Optimal Fuel Quality for Peak Engine Performance and Reliability.

### MTC HC-50 SPECIFICATIONS

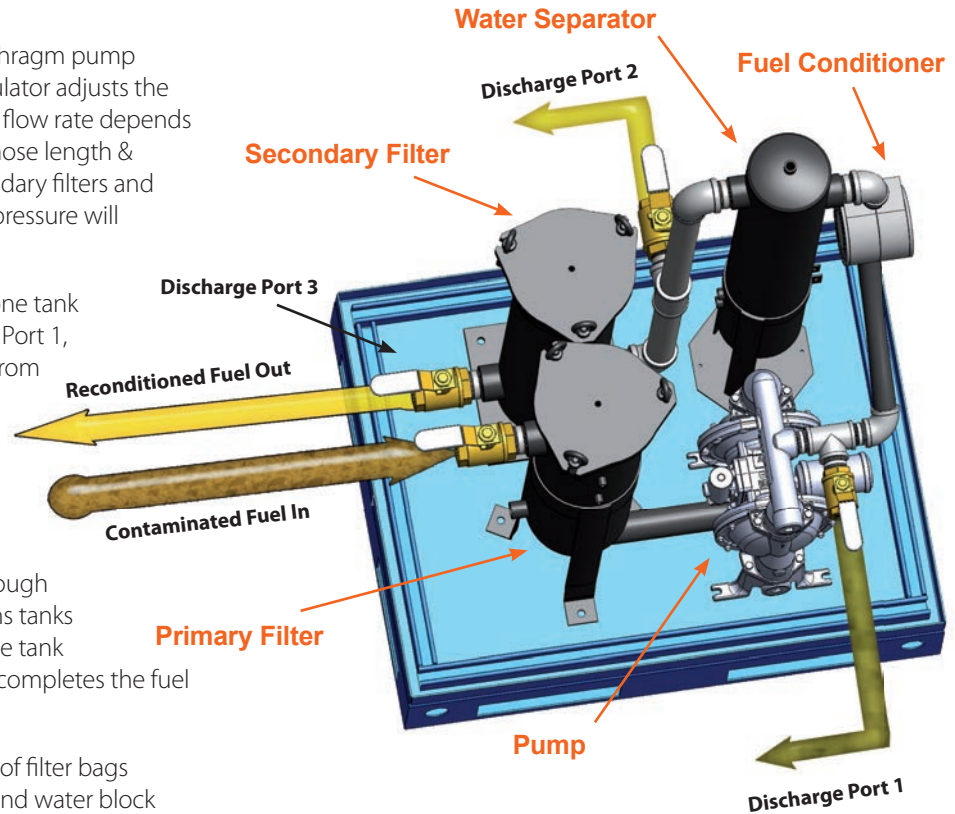
Flow Rate	Adjustable Flow Rate 25-75 GPM (depending on air supply)
Primary Filter	Carbon Steel Pre-Filter Housing, Quick Release 3-Bolt Swing Cover, Drain Valve & Air Vent, Perforated SS Strainer Basket 9/64" (3.5 mm) for use with Filter Bags
Liner & Filter Bags	Replaceable Filter Bags 1-1500 µ
Secondary Filter	Carbon Steel Filter Housing, Quick Release 3-Bolt Swing Cover Drain Valve & Air Vent
Filter Cartridges	Particulate Filter 2-30 µ Water Block Filters 5-30 µ Absolute Microglass Filters 3-10 µ
Water Separator	RCM 1500 with Drain Valve & Air Vent
Fuel Conditioner	LG-X 4000
Smart Filtration Controller	SFC-50MTC (optional)
Instrumentation & Automation	Vacuum Gauges on Primary Filter Pressure Gauge on Pump Discharge Pressure Gauges on Secondary Filter AXI Watect 550 Water Sensor Alarm Module (optional)
Pump Power/ Air Requirements	Adjustable Flow Rate Air Driven, Double-Diaphragm Pump 50 GPM - 25 cfm @90psi 70 GPM - 50 cfm @ 90 psi 1/2" Air Hose Connection
Ports	One Suction, Multiple Discharge & Sample Ports
Connectors	Cam & Groove Fittings and Covers
Hoses	2", 25 ft Clear Suction Hose 2", 25 ft Discharge Hose
Skid	Powder Coated Carbon Steel Lifting Eyes & Forklift Channels Drip Tray with Drain
Dimensions	36" x 45" x 58" (91 x 114 x 147 cm)
Weight	500 lbs
Not for use with fluids that have a flash point below 100°F.	

The MTC HC-50 is equipped with a double diaphragm pump rated at a maximum of 75 gpm. An air filter regulator adjusts the pump's speed and flow. The system's maximum flow rate depends on factors such as: suction lift, discharge head, hose length & diameter, pressure drop over the primary/secondary filters and separator. Ultimately, the available air flow and pressure will determine maximum system capacity.

HC-50 Systems can be used to transfer fuel from one tank to another. At a low pump rate using Discharge Port 1, the HC-50 will easily remove sludge and water from the bottom of the tank without mixing fuel, water and sludge together. Discharge Port 1 can also be used to transfer fuel to another tank while processing it through the primary filter.

Processing fuel through the Primary Filter, Fuel Conditioner, Separator and back to the tank through Discharge Port 2 reconditions the fuel and cleans tanks at a high flow rate. Returning the fuel back to the tank from Discharge Port 3 after the secondary filter completes the fuel dialysis and reconditioning process.

Depending on the job, ALGAE-X offers a choice of filter bags for the primary filter and a variety of fine filters and water block elements for the secondary filter.



#### Automation

The SFC-50MTC is a fully automated Smart Filtration Controller with digital text readout of operating & alarm status. It provides an instant visual status report of system power, pump operation and alarms for high pressure, high vacuum and high water levels.

Installed on the MTC HC-50, the controller is equipped with a pendant power ON/OFF switch for remote control and a highly visible strobe light alarm.

#### Available Options

- Digital Flow Meter
- Additional Hoses
- Sample Ports
- Skid Casters
- Spill Prevention Berms
- Air Compressor