

MTCs are **Three-stage Mobile Tank Cleaning Systems** that recondition, stabilize and decontaminate **Diesel Fuel, Bio-Diesel, and light Hydraulic fluids**. They efficiently remove water, sludge, and sediments that naturally accumulate in tanks. MTC systems excel in **low operating cost** and **compact design** to clean and restore fuel to its "Clear & Bright" condition, providing Optimal Fuel Quality for Peak Engine Performance and Reliability.



**Adjustable Flow Rate  
MTC 500-AFR**

- Stage 1:** The separator/coalescer removes water, sludge and particulate that is easily drained by opening the bottom valve
- Stage 2:** The ALGAE-X<sup>®</sup> Fuel Conditioner decontaminates, reconditions and stabilizes the fuel. It reverses the process of fuel deterioration and build-up of tank sludge.
- Stage 3:** The industrial water-block fine-filters remove dispersed and emulsified water and capture solids down to 3 microns.

|                                 | MTC 500  | MTC 500-AFR                                       |
|---------------------------------|--|---|
| <b>Pump*</b>                    | Self priming rotary vane pump, with integrated adjustable bypass valve | Self priming gear pump, with variable speed drive |
| <b>Flow Rate</b>                | 480 gph<br>(1500 liter/h)  | 180-480 gph<br>(600-1500 liter/h)                 |
| <b>Ports / Quick Disconnect</b> | 1" or 3/4"   | 3/4"  |
| <b>Clear Suction Hose</b>       | 1" (oil), or 3/4" (diesel only), 25ft (7.5m)                           | 3/4", 25ft (7.5m)                                 |
| <b>Discharge Hose</b>           | 3/4", 25ft (7.5m)  | 3/4", 25ft (7.5m)                                 |
| <b>Power</b>                    | 115V / 60Hz<br>or 230V / 50Hz  | 115V / 60Hz<br>or 230V / 50Hz                     |
| <b>Fuel Conditioner</b>         | LG-X 1500  | LG-X 1500   |
| <b>Weight</b>                   | 140 lbs (65 kg)  | 150 lbs (65 kg)                                   |
| <b>Dimensions (H x W x D)</b>   | 48" x 22.5" x 25"<br>(122 x 58 x 64cm)                                 | 48" x 22.5" x 25"<br>(122 x 58 x 64cm)            |
| <b>Separator</b>                | Maintenance free, centrifugal water separator/coalescer                |   |
| <b>Spin-on</b>                  | Water block filter: 3 or 10 micron<br>Fine filter: 3, 10, or 25 micron |   |

\* Not for use with fluids that have a flash point below 100°F (e.g. Gasoline)

**ALGAE-X MTC Systems** are built with industrial quality components mounted on a heavy-duty aluminum frame. These MTCs feature brass plumbing and quick disconnect fittings. A clear suction hose show fuel flow and clarity. The large drip tray is designed to prevent spillage. Fuel can be polished without using any consumables by connecting the discharge hose to the quick disconnect, bypassing the filter. A pressure gauge is installed on the spin-on filter head to ensure optimal filter usage. All MTC models also come with a liquid-filled stainless-steel vacuum gauge.

**The MTC 500-AFR** is equipped with a **variable speed drive**. The controller monitoring LEDs show status and power. The drive combines a high-starting torque with a soft pump start. It eliminates in-rush current to protect the motor. **The adjustable flow rate** makes this MTC **suitable for a wide range of tanks**.



Before and after



Debris and water removed from the bottom of the fuel/water separator.

### AFC-705 ALGAE-X® Fuel Catalyst



AFC-705 is an essential part of any tank cleaning procedure to accelerate and more efficiently decontaminate and clean the entire fuel system.

AFC-705 is a broad spectrum fuel additive containing surfactant, detergent, dispersant, combustion catalyst, corrosion inhibitor, lubricity enhancers and fuel stabilizer that eliminates the need for expensive toxic biocides.

AFC removes sludge, slime and bio-fouling from tank walls and baffles that can't be reached and continues to work in the tank, stabilizing the fuel.

**MTC Options: Digital Flow Meter** to monitor performance and measure the amount of treated fuel or oil. As an extra layer of protection for your MTC motor, the **MG-01 Motor Guard** mounts directly over the electric motor with four bolts, protecting the electrical housing. The MTC Prescreen Strainer pre-filters for heavily contaminated fluids..

Algae-X **MTC Systems remove water and sediments from tanks** and dramatically improve the filterability, combustion and stability of the fuel, providing Optimal Fuel Quality for Peak Engine Performance & Reliability.

Algae-X Fuel conditioning makes engines more fuel efficient, reduces smoke and emissions; while lowering downtime, maintenance and operating costs.

The darker sample on the left was taken before the Tank Cleaning and, shows the effects of fuel degradation and the formation of suspended solids. The sample on the right was taken after cleaning the tank and restoring the fuel to its **Optimal Clear and Bright** condition.

**Larger capacity tank cleaning and fuel polishing systems are available.**

