

# Mobile Tank Cleaning System MTC-1000 / MTC-3000

The **MTC** is a three stage **Mobile Tank Cleaning System** to recondition, stabilize and decontaminate diesel fuel. It efficiently removes water, sludge, and sediments that naturally accumulate in tanks.

The MTC cleans and restores fuel to its "Clear & Bright" condition. It eliminates fuel "algae" issues, clogged filters and tank sludge, providing Optimal Fuel Quality for Peak Engine Performance and Reliability.



- Stage 1:** The separator / coalescer removes water and particulate that are easily drained from the system by opening the valve on the bottom of the separator.
- Stage 2:** The ALGAE-X<sup>®</sup> Fuel Conditioner reconditions and stabilizes the fuel, reversing the process of fuel deterioration and buildup of tank sludge.
- Stage 3:** The industrial type water block fine filter removes emulsified water and very fine solids down to 3 microns.

	MTC-1000	MTC-3000
<b>Pump Rate</b>	15 gpm	26 gpm
Self priming rotary vane pump, integrated bypass valve & strainer	900 gph	1560 gph
<b>Ports / Quick Disconnect</b>	1"	1-1/2" or 1-1/4"
<b>Clear Vacuum Suction Hose</b>	1", 25ft	1-1/2", 25ft
<b>Flexible HP Discharge Hose</b>	1", 25ft	1-1/4", 25ft
<b>Motor *</b>		
EN & CE approved	115V / 230V	115V / 230V
Requires single phase 20A circuit		
<b>LG-X Model</b>	3000	3000
<b>Weight</b>	160 lbs	200 lbs
<b>Dimensions (H x W x D)</b>	48" x 22.5" x 25"	48" x 25.5" x 25"
<b>Separator</b>	Maintenance free, centrifugal water separator / coalescer	
<b>Spin-on filter</b>	Water block fine filter: 3 or 10 micron Fine filter: 3, 10, or 25 micron	

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

**ALGAE-X<sup>®</sup> MTC Systems** are built with industrial quality components mounted on a heavy-duty aluminum cart. A clear suction hose (and rotor sight glass on MTC-1000) 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. The liquid filled stainless steel vacuum gauge monitors the condition of the water separator.

**ALGAE-X<sup>®</sup> Fuel Catalyst (AFC-705)** The use of AFC-705 is an essential part of any tank cleaning procedure, to more rapidly and efficiently decontaminate and clean the entire fuel system. AFC-705 removes sludge, slime and bio-fouling from tank walls and baffles that can't be reached with the suction line. AFC-705 is a full spectrum fuel additive containing combustion catalyst, surfactant, detergent, dispersant, corrosion inhibitor, lubricity enhancers and fuel stabilizer that eliminates the need for expensive toxic biocides.

**MTC Options:** Digital Flow Meter (highly recommended – measurement of recirculated fuel & performance monitoring)

Larger capacity fuel polishing and tank cleaning systems are available.

## ALGAE-X<sup>®</sup> Total Fuel Management Systems



*These pictures graphically demonstrate the results of using the **Mobile Tank Cleaner** to recondition the fuel stored in a 1000 gallon emergency generator storage tank of Bell South.*



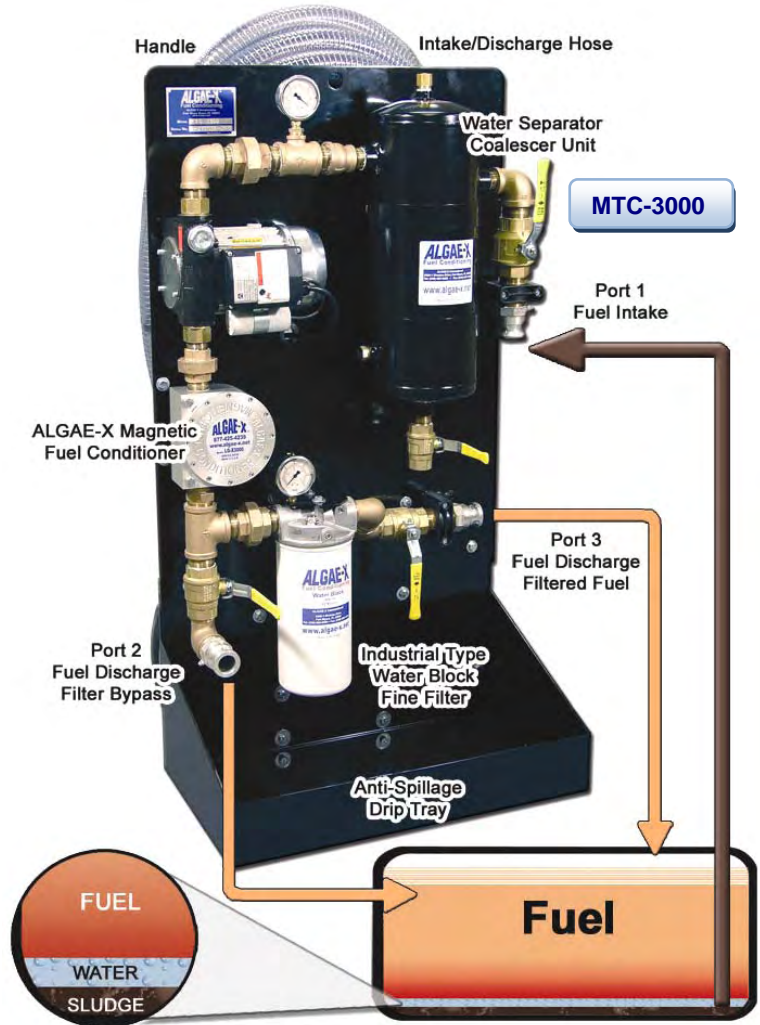
*The picture above shows some of the removed particulate debris & water that was drained from the bottom of the fuel/water separator, which will also enhance Reliability of the Filtration System.*

Algae-X<sup>®</sup> **MTC Systems** improve fuel filterability, combustibility and reliability. They provide Optimal Fuel Quality for Peak Engine Performance and dramatically increase the Reliability of Emergency Generators.

Preventing clogged fuel filters and stabilizing fuel is crucial for Emergency Generator Reliability. The use of Algae-X<sup>®</sup> Fuel Treatment makes engines more fuel efficient, reduces smoke/emissions; lowering downtime, maintenance and operating costs.

The darker sample on the left was taken before the Tank Cleaning process. It clearly shows the effects of quality deterioration and the formation of suspended solids.

The fuel sample on the right was taken after cleaning the tank and polishing the fuel with an MTC. The job took less than four hours and has restored the fuel to its Optimal Clear & Bright condition.



## ALGAE-X<sup>®</sup> Total Fuel Management Systems