



# STS-7300

Automated Fuel Maintenance System

The STS 7300 Automated Fuel Maintenance System is a high capacity system designed to efficiently and safely clean and restore fuel to pristine condition. The STS 7300 incorporates a multi-stage filtration process that reconditions, stabilizes and decontaminates Diesel, Biofuels, Light Oils, and Hydraulic Fluids. All STS systems are specifically designed for tanks with contaminated fuel that require the removal of water, sediment, and sludge accumulation.



## STX 7300 FEATURE:

- High Capacity Multi-stage Water Removal, Particulate Filtration, and Fuel Conditioning
- Multiple Discharge Ports
- Large Contaminant Holding Capacity
- Robust Compact Industrial Design
- Liquid-Filled Vacuum and Pressure Gauges
- Smart Filtration Systems Controller
- High Flow Rate Vane Pump with High-Efficiency Motor

## STX 7300 SPECIFICATIONS

Flow Rate	300 GPM
Primary Filter	Dual Bag Filter Vessel, Carbon Steel, 3-bolt swing cover, Stainless Steel liner basket for use with filter bags
Filter Bags	Replaceable Filter Bags 5 $\mu$ – 800 $\mu$
Secondary Filter(s)	2 - Carbon Steel Filter Housing, Quick release 3-Bolt Swing Cover, Drain valve, & Air Vent
Filter Cartridges	Particulate Filter 2-30 $\mu$ Water Block Filters 5, 10, 30 $\mu$ , Absolute Microglass Filters 3-10 $\mu$
Fuel Conditioner	Inline 4" Magnetic Fuel Conditioner
Smart Filtration Controller	Fully Automated UL508a SMART Filtration Controller (Optional Digital Text Readout)
Instrumentation & Automation	Vacuum Gauges on Primary Filter, Pressure Gauge on Pump Discharge Pressure, Gauges on Secondary Filter(Optional AXI Watect 550, Water Sensor Alarm Module)
Pump	Blackmer 4", Sliding-vane, Positive Displacement, Viton Seals, 15HP Motor, 21 Amp FLA
Power Required	480V 50/60Hz. 30 Amp Circuit. Three Phase
Ports	One suction, Two discharge
Connectors	Cam & Groove Fittings with Covers
Hoses	4" - 25 ft Clear Suction Hose 4" - 25 ft Discharge Hose
Skid	Powder Coated Carbon Steel, Filter Service Deck, and Drip Tray with Drain
Dimensions	98"x 54" x 86" in (249 x 137 x 218 cm)
Weight	$\approx$ 5000 lbs (2268 kg)
Not for use with fluids that have a flash point below 100°F.	



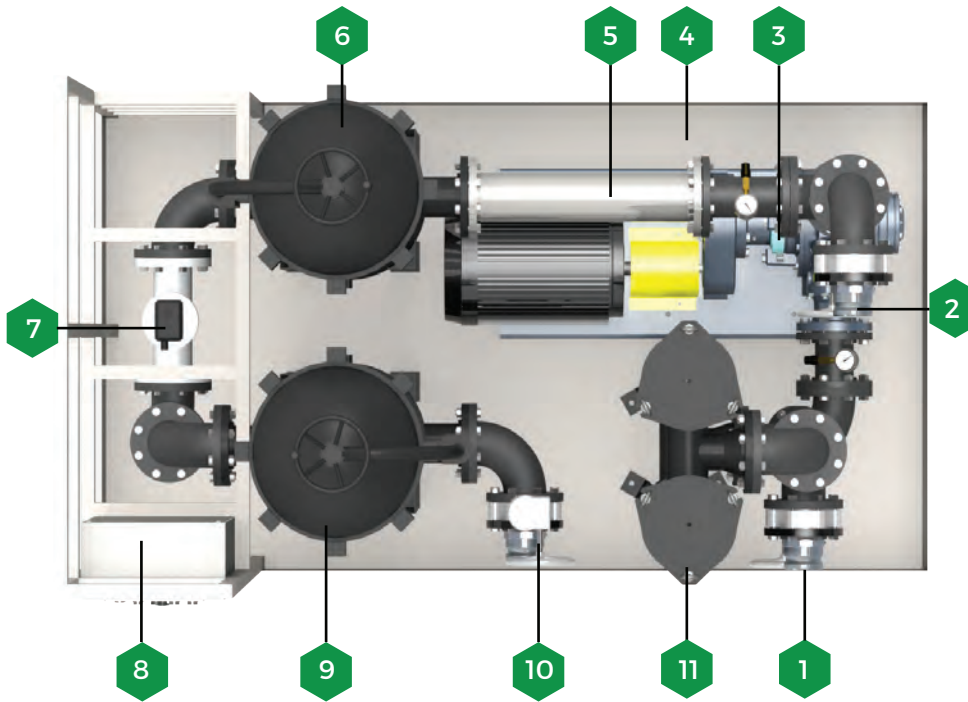
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1. Inlet Port
2. Discharge Port 1
3. Vane Pump
4. Skid with Leak Basin
5. Magnetic Conditioner
6. Final Filter 1
7. Flow Meter
8. Smart Polishing Controller
9. Final Filter 2
10. Discharge Port 2
11. Primary Dual Filtration

## ◆ STS 7300 OPTIONS

- Cover System
- AFC 705/710 Fuel Catalyst
- AXI Watect Water Sensor
- Filtration Options
- Connection Type

## ◆ REPLACEMENT FILTER OPTIONS

Filtration options for bag filters range from 5-800µ.  
Contact a sales representative for all available options.

## ◆ AFC 705/710 FUEL ADDITIVE

A unique and powerful broad spectrum concentrate for use in diesel, gasoline, bio-fuel, kerosene, and HFO. Benefits include:

- Extended Engine Life
- Extended Filter Life
- Removes / Prevents Carbon Build Up
- Prevents Corrosion
- Cleans Injection System
- Tier 4 Compliant (710 only)
- Stabilized Fuel up to 12 mo.
- Added Lubricity
- Improved Combustion
- Lower Emissions
- Improved Fuel Economy