

# AXI STS 7030

INTERNATIONAL Enclosed Fuel Maintenance System

The STS 7030 is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the STS 7030 system operates independently to ensure fuel reliability through routine fuel filtration. The system's fuel polishing process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures fuel remains clean. The STS system's NEMA 4 rated enclosure allows for both outdoor and indoor installations by protecting the system from windblown dust and rain, hose directed water, and ice formations.



## STX 7030 FEATURES:

- Touchscreen Controller
- Fully Automated and Programmable Operation
- Integration with External Monitoring Systems
- Unique Safety & Alarm Features
- Continuous-Duty Pump, Viton Seals
- System Upgrade Options

For safe operation, the STS 7030 is equipped with an automatic pump shut-down feature and alert indication to notify users of when the system requires servicing.

## STX 7030 SPECIFICATIONS:

|  |  |
|--|--|
| Nominal Flow Rate  | 30 GPM/1800 GPH (113.6 LPM/6,814 LPH)                          |
| Strainer   | 20 Mesh Wye-Strainer   |
| Primary Filter   | 1, 5, 10 or 25 $\mu$ Particulate or Water Block Filter Element |
| Secondary Filter   | 1, 5, 10 or 25 $\mu$ Coalescing Filter Element                 |
| Fuel Conditioner   | LG-X 4000 Inline Magnetic Conditioner                          |
| Pump   | 2 HP Spur Gear Pump  |
| System Controller  | TSC80 Touchscreen Controller with Safety and Alarm Features    |
| Power  | 240V/60Hz/3Ph, 480V/60Hz/3Ph, 208-230V/60Hz/1Ph, 230V/50Hz/1Ph |
| Plumbing   | Black Iron   |
| Ports  | 2" NPT In, 1.5" NPT Out  |
| Enclosure Cabinet  | NEMA 4 Rated Powder Coated or NEMA 4X Rated Stainless Steel    |
| Dimensions   | $\approx$ 56" x 72" x 17" (H x W x D)<br>(142 x 183 x 43 cm)   |
| Weight   | $\approx$ 760 lbs (345 kg)                                     |
| <b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b> |  |

## REPLACEMENT FILTER OPTIONS:

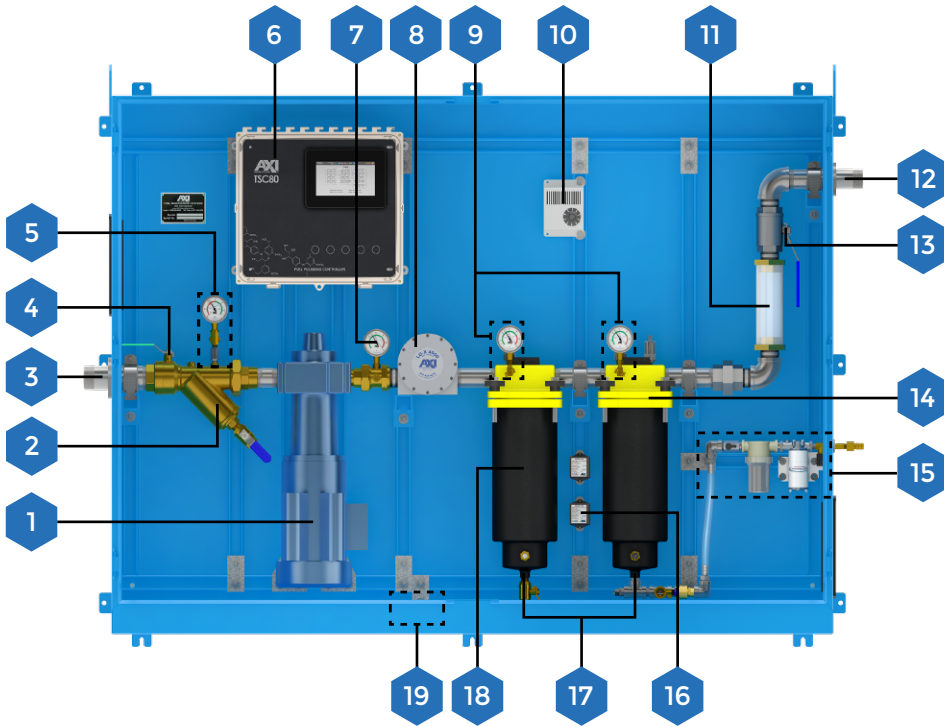
| Primary Filter             | Particulate Part No. | Water Block Part No. |
|----------------------------|----------------------|----------------------|
| 1 $\mu$ Filter Cartridge   | FBO-60339            | FBO-60342            |
| 5 $\mu$ Filter Cartridge   | FBO-60340            | FBO-60343            |
| 10 $\mu$ Filter Cartridge* | FBO-60357*           | FBO-60358            |
| 25 $\mu$ Filter Cartridge  | FBO-60341            | FBO-60344            |

| Secondary Filter                      | Part No.  |
|---------------------------------------|-----------|
| 1 $\mu$ Coalescing Filter Cartridge   | FBO-60336 |
| 5 $\mu$ Coalescing Filter Cartridge   | FBO-60337 |
| 10 $\mu$ Coalescing Filter Cartridge* | FBO-60356 |
| 25 $\mu$ Coalescing Filter Cartridge  | FBO-60338 |

\*Standard-issue filter element unless requested otherwise

# AXI STS 7030

Enclosed Fuel Maintenance System

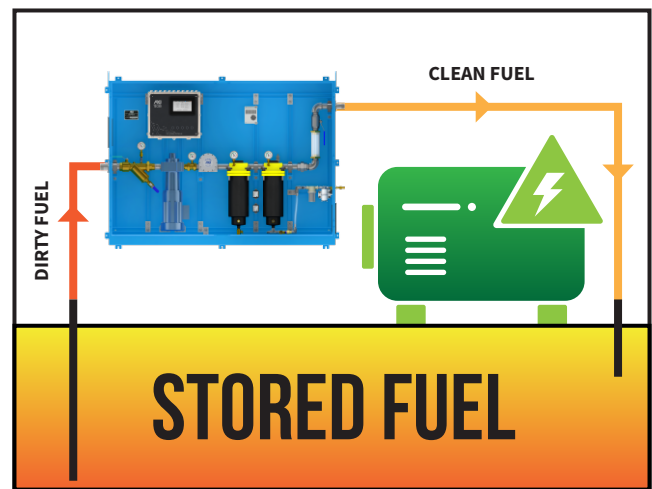


1. Motor with Coupled Gear Pump
2. Wye Strainer
3. Fuel Inlet (From Tank)
4. Inlet Ball Valve
5. Vacuum Gauge & Switch
6. Smart Filtration Controller
7. Pressure Gauge
8. Fuel Conditioner
9. Pressure Gauges & Transducers
10. Enclosure Heater (Option)
11. Flow Switch
12. Fuel Outlet (Discharge)
13. Outlet Ball Valve
14. Secondary Filter Housing
15. Auto Water Drain Assembly (Option)
16. Water Detection Alarm Modules
17. Filter Housing Drain Valves
18. Secondary Filter Housing
19. Leak Detector

## STX 7030 SYSTEM OPTIONS:

|                                      |   |
|--------------------------------------|---|
| <b>NEMA 4X Rated Enclosure</b>       | Gain additional protection against corrosion with a stainless steel enclosure                 |
| <b>Manual Additive Injection</b>     | Manually draw additive into the polisher with a dedicated supply port and ball valve          |
| <b>Enclosure Heater</b>              | Prevent the build up of condensation inside the system enclosure due to temperature changes   |
| <b>Auto Water Drain (AWD)</b>        | Automatically drain water separator of collected water for decreased frequency of maintenance |
| <b>Pressure Transmitter</b>          | Replace standard pressure switch for detailed monitoring of pressure levels in the system     |
| <b>Flow Transmitter</b>              | Replace standard flow switch for detailed monitoring of flow rate in the system               |
| <b>Multi-Tank Polishing/Transfer</b> | Polish and transfer fuel between multiple fuel storage tanks                                  |
| <b>Fuel Heater</b>                   | Warm up circulated fuel to resist gelling in freezing temperatures                            |
| <b>Multi-Point Flow Path</b>         | Add multiple supply and return valves for better tank cleaning coverage                       |

## STX SYSTEM INTEGRATION:



System upgrade may be required for certain combinations of options - See controller specification sheet for more details



1.239.690.9589  
1.877.425.4239 Toll Free  
www.AXI-International.com

AXI.International

AXInternational

AXIFuel

AXIFuel

REV02017030010122