

# **COMMERCIAL FUEL SYSTEMS**

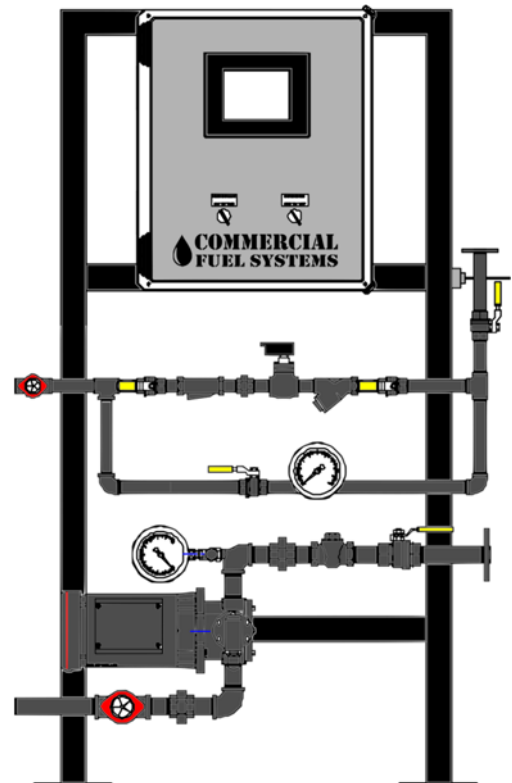
## **Automatic Tank Fill Station– ATF Series**

Automatic fuel transfer to day tanks is the finale of all the planning. Fuel transfer must happen automatically, reliably and above all safely when emergency equipment needs replenishment. It is critical that automatic refueling systems have the right components, be sized and selected properly with appropriate safeties because fueling tanks without human intervention is serious endeavor. Our system components and configurations have been selected specifically with this scenario in mind.

Our robust system includes all the components and features needed for safe, reliable automatic operation. In addition, we have incorporated features that will allow the operator to manually refuel the tank under emergency conditions. The control system architecture is based on each panel operating as a stand-alone unit, should one panel go down, the system will alarm and the rest of the system will continue to operate as normal.

### **Features**

- Integral UL 508a Controller w/ Graphical Interface
- Local and Remote A/V Alarms
- Fill Valve and Return Pump HOA'S
- Minimum NEMA 3R System Construction
- Monitored API 607 Fire Safety Valve
- Inlet Strainer with Local Isolation Valves
- Automatic Fill Valve Assembly
- Return Pump Assembly w/ TEFC Motor
- Integral Safety Relief Valve on Return Pump
- Visual Flow Indicators for Operational Assessment
- Supply and Return Pressure Gauges with Valves
- 100% Steel Piping System, No Hoses
- Flanged Field Connections
- Structural Steel Support Rack
- Industrial Paint System
- BAS Interface Via Main Fuel Panel



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While the standard configuration will meet the needs of the most demanding Projects, the following features can be added as needed:

### **Options**

- S— Sunscreen for UV protection of touchscreen
- D— Dead front Control Panel, HMI and HOA's Located Inside Panel
- DF— Duplex Fill Valves for Parallel Operation, Includes Flow Switch for Automatic Change-over/Alarm
- DR— Duplex Return Pumps, Includes Flow Switch for Automatic Change-over/Alarm
- E— Enclosure for Complete Package, Includes Containment and Leak Sensor
- LFV— Fire Valve /Switch Shipped Loose for Remote Mounting

Note: All systems and components are rated for outdoor exposure, enclosure not required.

