

# Reverso Day Tank Systems



Reverso Pumps offers factory designed and engineered Day Tank Systems that are built to Underwriter Laboratories UL-142 standards. Our pumping systems are designed to meet the rigors of commercial, industrial and institutional applications.

Reverso pumping systems provide a reliable means for the transfer of fuel to day tanks, emergency generators, oil burners, etc. Reverso utilizes high-quality, high-capacity gear pumps that are designed for the rigors of continuous duty. Combined with our decades of fuel transfer expertise, we offer Day Tank Systems that surpass market expectations.

Reverso Day Tank Systems standard features include an industrial fuel pump(s) to transfer fuel from a main tank to the day tank, analog float sensors, controls for fill, stop, level, and industry standard alarms including leak detection. Contacts are also provided for remote communication. Double wall systems include a welded steel enclosed basin to contain fuel in the event of a rupture of the primary tank.

Options include PLC touch screen controls with building control options, duplex pumps and reverse pumping systems. Multiple options are available to accommodate the need for various flow rates, tank sizes, and power requirements.

- ▶ Over 25 years of pump systems and fuel transfer expertise
- ▶ Quick production and shipping timeframes
- ▶ Factory-built customized systems for every application
- ▶ Economical, comprehensive systems
- ▶ Flexibility for unique requirements

## Tank Features

- Emergency vent ports size based on UL-142
- Float sensor ports for start / stop/ alarms
- Float sensor port for spill alarm / shutdown
- Fuel level gauge
- 2" NPT Normal vent port
- 2" NPT Spare
- 1" NPT Engine Supply
- 1" NPT Engine Return
- 1" NPT Overflow
- 1" NPT Spare

## Standard Control Features

- Pump run-off automatic selection
- Manual on / off
- Power on light
- Pump running light
- Emergency stop switch
- Contacts for remote communication

## Optional Control Features

- High fuel warning
- High fuel emergency stop
- Leak detection alarm
- Leak detection emergency stop
- Low fuel emergency alarm and stop
- Automatic reverse flow  
(optional pump required)

## Day Tank System Options

- Duplex Pump System:  
Includes two like size pump and motor combinations. The lead pump will activate at 87% of tank capacity. The pump will deactivate at 100% of capacity. The pumps will alternate each time the system is energized.
- Reverse Pumping System:  
Reverse pump systems are utilized when the main tank is above the day tank. The reverse pump will be activated when the fuel in the day tank exceeds 103% of capacity. This reverse pump must be at least equal and recommended to be double the capacity of the primary fill pump. If two pump parallel operation is utilized, the reverse pump must be at least as large as both pumps capacities combined.
- PLC, Touch Screen Controls:  
UL 508 approved, NEMA 4 enclosure. Touch screen control available in monochrome or color. Digital level controller provided level control for single, duplex, triplex and return pumps. Tank level(s), system alarms and manual operation. Spare I/Os for options. MODBUS / Ethernet compatible for remote communication.

## Above Ground (AST)

