

GENERATOR DAY TANKS WITH CONTROL PANEL AND RETURN PUMP OPTIONS



Day Tank Design. Standard Day Tanks come in UL142 Rupture Basin, UL142 Double Wall, and UL2085 fire rated versions. Standard components include, but are not limited to suction tubes with foot valves, drop tubes, emergency vent(s), and a primary tank atmospheric vent. Proven Controls day tanks come pre-assembled with options for flange connections in lieu of threaded connections. All day tanks are designed to meet JHA/ local regulations or site specifications.

Standard Control Options. Proven Controls local control panels are assembled in a NEMA enclosure, with HMI touch screens, PLCs to control and monitor day tank operations, float switches, continuous level monitoring, leak detection, audible and visual alarms, flow switches, visual site glass, and BAS/BMS communication capability. Communication to other fuel system control panels via Ethernet.

Integrated Building Management Systems. Proven Controls advanced control panels allow for the communication of vital day tank operating information to other BAS/ BMS systems. Communication protocols include BACNet, ModbusIP, Modbus RS232/ RS485, and others.

Custom Options Available Proven Controls offers simplex/ duplex return pumps with HOA switches and motor starters, day tank refill pump options, day tank fuel temperature monitoring, flow restrictors, flow metering options, VFD pump motors, manual fill hand pumps, fusible link valves, vent critical high level sensors, remote alarm notifications, manual level gauges, redundant PLCs and power sources, and outdoor HMI touch screens.

Standard Equipment

Day Tank Capacity

- Standard Sizes - 50, 100, 150, 200, 250, 300 (Capable of sizes up to 500 Gallons)
- UL142 with Rupture Basin, UL142 Double Wall, UL2085 Fire Rated
- Custom footprints and size options available upon request
- Stainless steel options available

Standard Equipment Options

- Simplex/ Duplex Return Pumps (7-30 GPM) with HOA switches and motor starters
 - Mounted directly on day tank or adjacent
 - Skid mount or enclosed
- Dual actuated supply valves with manual bypass
- Manual liquid level gauge
- Manual hand pump for refilling day tank
- Flow restrictors

Control Panel Options

- HMI Touch Screens in various sizes (7", 10", 12", 15") - outdoor options available
- Various PLC manufacturer options
- Redundant PLC and power supply, N+X redundancy
- Direct actuation of supply pump(s) for call for fuel
- Flow metering of supply to day tank and/or supply to generator
- Critical high fuel level in atmospheric vent
- Fuel temperature monitoring
- VFD Pump Motor Control
- NEMA 4X Enclosures
- Custom graphical display options

Piping Options

- Flange connections in lieu of threaded
- Stainless steel piping and valves available

Options can be added or deleted to make the day tank customized to your individual needs or specifications.