

GENERATOR SUB-BASE TANK CONTROL PANEL



Standard Control Options. Proven Controls local control panels are assembled in a NEMA enclosure, with HMI touch screens, PLCs to control and monitor generator 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 generator 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, generator tank refill pump options, generator 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

- Panel Dimensions: 20 x 20 x 10
- Approval: UL 508A
- Power Requirements: 120VAC 10A 60Hz 1-Phase
- Enclosure rating: NEMA 3R, 4, 12
- Communication Protocol: TCP/IP
- PLC Manufacturer: Automation Direct - Productivity PLC
- HMI Touch Screen: 7"

Equipment Options

- Simplex/ Duplex Return Pumps (7-30 GPM) with HOA switches and motor starters
 - Mounted directly on generator 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 (10", 12", 15") - outdoor options available
- Various PLC manufacturer options
- Communication options: BAS/BMS capable
- Redundant PLC and power supply, N+X redundancy
- Direct actuation of supply pump(s) for call for fuel
- Flow metering of supply to generator tank
- Critical high fuel level in atmospheric vent
- Fuel temperature monitoring
- VFD Pump Motor Control
- NEMA 4X Enclosures
- Custom graphical display options

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