

LIQUID TRANSFER PUMPSETS



Proven Controls Liquid Transfer Pumpsets are designed for reliable fuel transfer for emergency power systems at critical facilities. Its compact design has a small footprint yet is still able to deliver 7 to 30 gpm of fuel to serve emergency generators and boilers.

The Liquid Transfer Pumpset is based on Viking Positive Displacement Gear Pumps and Baldor TEFC General Purpose motors and is complete with strainers, check valves, ball valves, relief valves, and vacuum and pressure gauges. The pumps are mounted in a containment basin with leak monitoring, or upon request in a weatherproof NEMA enclosure.

The Liquid Transfer Pumpset includes a motor starter panel with external electrical disconnects, internal motor starter disconnects, magnetic coil contactors, emergency stop pushbutton, and optional current sensors and auxiliary run monitoring to provide performance feedback to the Pumpset Control Panel.

The Pumpset Control Panel provides pump operation and monitoring with Hand-Off-Auto switches. The Pumpset Control Panel can be provided with an HMI touch screen for monitoring of standard operations and is customizable for non-standard operating modes. The Fuel System Control Panel networks with other Proven Controls control panels using Ethernet communication, and directly to BAS/BMS systems using BACnet or Modbus TCP/IP connectivity.

Standard Options

Pump Configuration

- Simplex
- Duplex
- Triplex
- Custom configurations available

Mounting Configurations

! Interior Pumpsets - Skid Mounted

- ∇ Dimensions vary based on quantity and size of pumps
- ∇ Includes leak sensor

! Exterior Pumpset with NEMA Weatherproof Enclosure

- ∇ Dimensions vary based on quantity and size of pumps
- ∇ Includes leak sensor

Enclosure Rating

- NEMA 3R, 4, 12
- NEMA 4X

Power Requirements

- 120VAC 60Hz 1-Phase
- 208/230VAC 60Hz 1-Phase
- 480VAC 60Hz 3-Phase

Pump Capacity

- 7 GPM
- 10 GPM
- 15 GPM
- 20 GPM
- 30 GPM



Custom Options

- Pumpset Controller can include HMI touch screen, custom sizes are available
- Pumpset Controller can be mounted externally
- Pumpset Controller can act as master controller of fuel system
- Heater/AC can be installed in the enclosure
- Electronic metering of GPM
- External filtration cabinet with electronic/manual bypass in line
- Explosion proof/intrinsically safe components available
- BMS/BAS capable