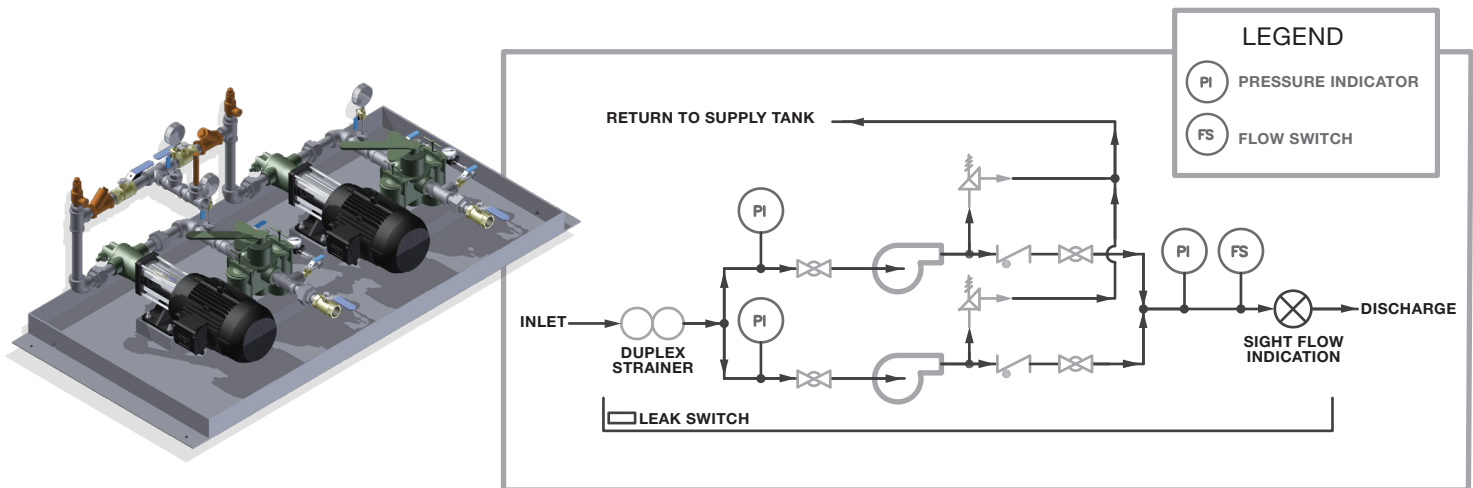




Fuel Oil Pump Sets

Duplex Pump Sets are designed to reliably provide fuel oil to emergency generators or boilers. The pump sets are complete packages with all the pumping equipment mounted to a skid with all the controls either mounted to the pump set skid or mounted remotely. All control panels are UL508 designed.

Pump sets are available to meet the demands of your application and facility. Pump sets can range from very simple systems typically found on boiler loop applications to multi-generator systems involving backup features. Custom designed pump skids for heavier oils or other application requirements are available.



Standard Models (Larger Custom Sizes are available)

Model	Flow Rate (GPH)	Inlet (inches)	Outlet (inches)	Pressure (psi)	Size (inches)
PS050-0535-050	84	1	0.5	50	40 x 24
PS050-0535-150	84	1	0.5	150	40 x 24
PS050-0570-050	168	1	0.5	50	40 x 24
PS050-0570-150	168	1	0.5	150	40 x 24
PS050-0510-050	240	1	.75	50	48 x 36
PS050-0510-150	240	1	.75	150	48 x 36
PS100-0782-050	480	1.5	1	50	48 x 36
PS100-0782-150	480	1.5	1	150	48 x 36
PS100-0711-050	672	1.5	1	50	48 x 36
PS100-0711-150	672	1.5	1	150	48 x 36
PS100-0716-050	960	1.5	1.25	50	60 x 36
PS100-0716-150	960	1.5	1.25	150	60 x 36
PS150-1013-050	1500	2	1.5	50	72 x 42
PS150-1013-150	1500	2	1.5	150	72 x 42
PS200-1026-050	3000	2.5	2	50	72 x 42
PS200-1026-150	3000	2.5	2	150	72 x 42

All pump skids contain disconnect switches, motor starters, H-O-A switches, power on and pump running indicator lights. Motors are typically TEFC but others are available. Pumps are industrial cast iron pumps, typically external gear design but internal gear pumps are also available. All pump sets include suction and discharge valves, strainers, and suction / discharge pressure gauges. All pipe is schedule 40 using malleable iron NPT fittings. Typically bypass type external relief valves are used, but some applications will require internal relief valves.

Control systems can be very simple with only H-O-A starters with a “call for operation” signal or as complex as a system monitoring level probes in several day tanks with controls to select the correct day tank using solenoid or motorized valves. Control system can make use of simple relay logic for the less demanding applications. Most systems are provided with a microprocessor PLC controller. The most demanding applications will typically include communication to master panels and/or building automation systems.

All pumps are thoroughly tested at the factory including pressure tests.

Product Features

Item	Features
Cable Protection	Seal Tight
Leak Switch	Standard
Differential Pressure Switch	Standard
Sight Flow Indicator on outlet	Option
Pressure Gauges	4" liquid filled
Pressure Gauge isolation valves	Ball valves
Vibration Isolation Hoses	Option
Control Interface	Touch screen
Control Enclosure	High voltage is separated from low voltage
High Voltage Protection	Finger Safe
Terminations	Spring loaded insert only
Communications	Modbus TCP/IP and others
Flow Switch	Standard
Lead lag Pump select with auto switchover with each call for operation	Standard
Motor current sensing for positive feedback of pump running	Option
Enclosure	NEMA 12 with NEMA 4 Option
Strainer	Duplex or Optional with two Simplex strainers
Emergency Relief Valves	Kunkle
Socket welded fittings	Option
Lockable handle on isolation valves	Option
Pressure Gauge before and after strainer	Option
PLC	Allen Bradley Micro 800
Inlet temperature gauge	Option
Base Pan with plugged drain	Standard
Dual Power Feeds	Option

Subject to Change without notice

V.6 13014.DS

Our Fuel Oil Pump Set products are only a part of our complete family of equipment that makes up a typical fuel oil system. Please contact us for your complete system needs.



One Lincoln Centre, 18W140 Butterfield Road, Suite 1100, Oakbrook Terrace, IL 60181, Office: 630-756-4382

iFuelsys.com