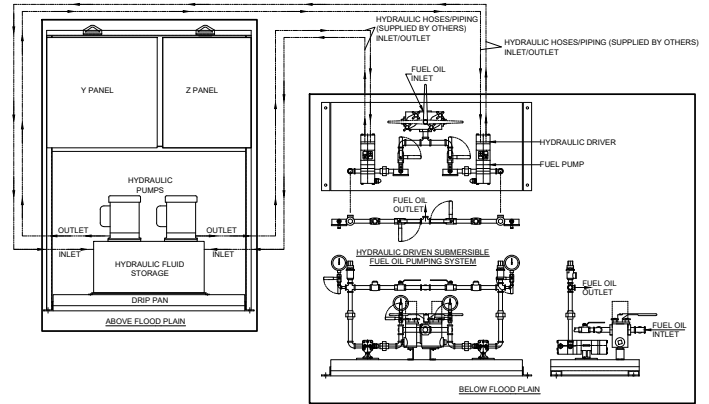


DATA SHEET

Model TG *True Guard* IMMERSIBLE PUMP SETS



Fuel Oil Pump Sets are used to move fuel oil from a main storage tank to a point of use. In mission critical applications, this is usually to generators or boilers. Submerged Pump Sets are used in areas where the pump set can become flooded. The pump set is configured with a hydraulic system located in an area above the flood plain with a hydraulic drive and a fuel oil pump located in the flood prone area. These are typically available with duplicate hydraulic supply pumps with a single hydraulic oil storage tank and duplicate hydraulic supply pumps as associated fuel oil pumps. But other configurations are available.



Features	Benefits
All components visible	Easy inspection without having to remove covers and use replacement parts to put back into service. No worries that the system is left "un protected" from floods which increases reliability
Water Proof to 90 feet	Handles most all applications without the use of ASME approved pressure vessels.
Wide range of sizes	Will fit all applications no matter the flow or pressure requirements.
No electrical power equipment in flooded area	Complete reliability, no worry about electrical faults, low voltage sensors if used are designed to cut out with a flooded floor sensor. The flooded floor sensor can also be used to alarm and alert the BAS system.
Complete controls systems with PLC control and HMI touch screens above flood plain.	All available control features including BAS, Networking, redundant power feeds are available – no limitations.
Internal and/or External Relief Valves	Safety from closed discharge
Factory flow tested both on fuel and hydraulic sides	Ready for operation from the factory. Only field setup test is for proper motor rotation on three phase systems.
Standard with two simplex strainers	Switch pump operation due to clogged strainer even when flooded.

Options:

Duplex Strainers	Specialty Ball Valves (Carbon Steel, API 607 –Fire Rated)
Rupture basin leak switch	4" Pressure Gauges (ASME B40.100 Grade 1A in lieu of 2.5")
Flow switch	DP switch/indicator across strainers
Back Pressure Regulators	Flex hose connections (UL567) and vibration isolators
Hydraulic Hose & connections	Hydraulic Oil

Subject to change at any time without notice

TG-03-20 Rev. A

For All Your Mission Critical Fuel Oil Equipment Needs

Model Number Convention: TG-FFFF-PPP-OC

FFFF : Flow rate in GPH	C : Configuration
PPP : Designed discharge pressure in psi	S = Simplex Pump System (one drive, one pump, one storage tank)
O : Control options	D = Duplex Pump System (two drives, two pumps, one storage tank)
X = No controls	C = Custom Configuration
Y = Motor starters with Relay controls	
Z = Motor starters with PLC controls	TG-FFFF-PPP-ZD is the standard configuration (shown below).

Standard Models:

Model (two 30" x 65" base pans, 36" x 77" base pans with 30 gallon hydraulic oil tanks)			Fuel Oil Inlet and Outlet (in.)*	Hydraulic Oil Tank Size	Motor HP (higher HP with higher pressure)	Nominal Speed (rpm)	Voltages Available	UL Pump Available
50psig	100psig	150psig						
TG-0040-050-ZD	TG-0035-100-ZD	TG-0030-150-ZD	1/2"	20 Gallons	1/2, 1/2, 1/2	1800	120/208-230/460; 1&3 ∅	YES
TG-0080-050-ZD	TG-0077-100-ZD	TG-0075-150-ZD	1/2"	20 Gallons	1/2, 1/2, 1/2	1800	120/208-230/460; 1&3 ∅	YES
TG-0155-050-ZD	TG-0150-100-ZD	TG-0145-150-ZD	1/2"	20 Gallons	1/2, 1/2, 1/2	1800	120/208-230/460; 1&3 ∅	YES
TG-0215-050-ZD	TG-0205-100-ZD	TG-0200-150-ZD	1/2"	20 Gallons	1/2, 1/2, 1/2	1800	120/208-230/460; 1&3 ∅	YES
TG-0300-050-ZD	TG-0280-100-ZD	TG-0270-150-ZD	3/4"	20 Gallons	1/2, 1/2, 1/2	1800	120/208-230/460; 1&3 ∅	YES
TG-0400-050-ZD	TG-0370-100-ZD	TG-0350-150-ZD	3/4"	20 Gallons	1/2, 1, 1	1800	120/208-230/460; 1&3 ∅	YES
TG-0610-050-ZD	TG-0575-100-ZD	TG-0550-150-ZD	1"	20 Gallons	1, 1, 1	1800	120/208-230/460; 1&3 ∅	50 & 100 psi only
TG-0760-050-ZD	TG-0700-100-ZD	TG-0650-150-ZD	1.5"	30 Gallons	1, 3, 3	1200	120/208-230/460; 3 ∅ only	NO
TG-1070-050-ZD	TG-0970-100-ZD	TG-0900-150-ZD	1.5"	30 Gallons	1, 3, 3	1200	208-230/460; 3 ∅ only	NO
TG-1220-050-ZD	TG-1160-100-ZD	TG-1110-150-ZD	1.5"	30 Gallons	1, 3, 3	1800	1HP - 120/208-230/460; 1&3 ∅, 3HP - 3 ∅ only	50 psi only
TG-1730-050-ZD	TG-1640-100-ZD	TG-1560-150-ZD	1.5"	30 Gallons	3, 3, 3	1800	208-230/460; 3 ∅,	NO
TG-3050-050-ZD	TG-2870-100-ZD	TG-2740-150-ZD	2"	30 Gallons	3, 5, 5	1800	208-230/460; 3 ∅	NO

Larger and custom sizes available on request.

* Hydraulic Connections are all SAE 9/16-18, special connection fittings and hoses are available, consult factory.

