INDUSTRIAL FUEL SYSTEMS, LLC
Mission Critical Fuel Oil Systems

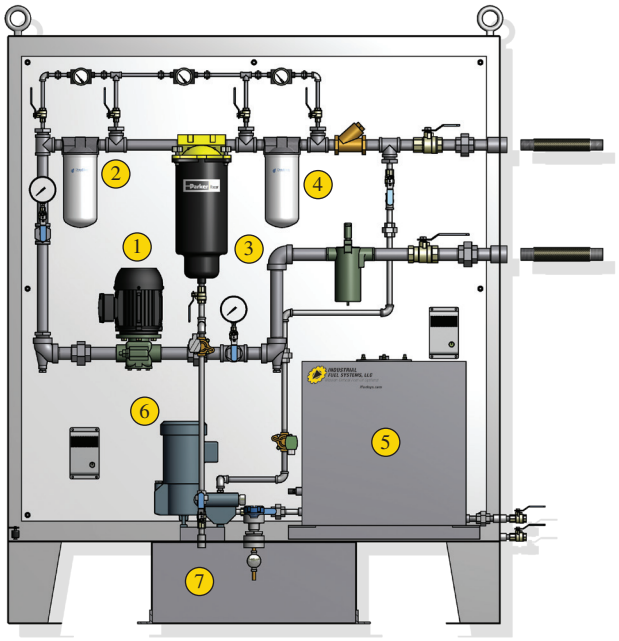
Fuel Oil Filtration Systems

As larger amounts of fuel is being stored for even longer periods of time the need for filtration is even greater. Fuel Oil over time will degrade in two areas. First microbes will grow in the oil which will affect the reliability of the generator itself. Second the quality of the fuel will degrade over time which could also affect the performance of the overall generator system. To maintain your fuel in top condition a filtration system is used.

Filtration systems are used to remove water, microbial growth, and suspended solids. With the addition of an optional chemical additive system anti-microbe chemical or cetane boosters can be injected into the oil after it has passed the filtration elements. Optional waste oil storage tanks can be added to the system to collect this hazardous waste.

Benefits

- Wide range of flow rates with larger customer sizes available
- Nearly 100% water removal
- Final filter down to 2 micro
- Automatic cycling based on time of day and selection of day of the week.
  Up to 12 scheduled filtration time and dates can be stored
  Up to a 99 hour run time can be selected.
- Alarms and safety shutdowns are built in



1. Pump
2. Course Filter
3. Water Separator
4. Final Filter
5. Chemical Additive
6. Chemical Injection Pump
7. Waste Holding Tank

Sizing Selection Chart

Model	GPH	Tank Size in Gallons and Resulting Run Time in Hours						
		1,000	2,000	4,000	8,000	12,000	18,000	27,000
FS-090	90	12	23					
FS-180	180	6	12	23				
FS-420	420		5	10	19	29		
FS-600	600			7	14	20	30	
FS-900	900				9	14	20	30

Normally the pump is selected to turn over a tank in a shift (8 hours) or a day (24 hours). Other custom sizes of pump are available.

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Standard Equipment

- PLC Based Control with Touch screen operator interface
- Pump “Hand-Off-Auto” switch
- Control power “On-Off” switch with power on light
- Leak Detection Switch in the basin area
- Pump and Motor Assembly
- Simplex Strainer
- Primary Filter
- Coalescing Stage for water removal
- Final Filter (polisher)
- Differential Pressure Switches and Gauges around filter elements
- Fully Enclosed cabinet

Optional Equipment

- Chemical additive pump and storage tank
- Waste Oil Storage Tank
- Skid Mounted Design
- Dual Power Feed

Specifications

- Power: Normally 120VAC, single phase, but others are available. Dual power feeds are available
- Pump: Positive Display pump with internal relief valve
- Motor: TEFC – base mounted
- Strainer: Simplex, cast iron with 100 mesh basket
- Housing: NEMA 4 is standard but skid mounted systems are available

Subject to Change without notice

V.3 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.

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