



SkimOIL, Inc
 103 W. Weaver Street
 Carrboro, NC 27510
 (314) 579-9755
 Fax: (314) 558-9253
 www.skimoil.com

Marine and Industrial Solutions Since 1995

EMAIL: contact@skimoil.com

THE DIESEL FUEL PURIFIER "THE FILTERLESS FILTER"

The Fuel Purifiers utilize well-known fuel separation principles—centrifugal force and coalescence—to separate water and other contaminants from fuel without the need for filters or moving parts. This process effectively removes up to 99.8% of free water and up to 95% of other heavy contaminants. The purified fuel results in less fuel filter clogging (within the engine’s filter), fewer breakdowns, less maintenance downtime, and far fewer expensive, time-consuming filter replacements. Our patented technology keeps your fuel clean, preserves fuel quality and extends filter life.

BUBBA PROOF - NO MOVING PARTS

Advantages of SkimOIL Diesel Fuel Purifiers

Our patented fuel purifiers are reliable and virtually maintenance-free because of their filter-less, durable design. With over 20 years of experience, we bring you a complete line of reliable, quality products that you can trust.

**PROTECTS INJECTORS AND ENGINE | LASTS THE LIFETIME OF YOUR SYSTEM |
 MINIMAL MAINTENANCE | REDUCES EQUIPMENT BREAKDOWNS |
 EXTENDS FILTER LIFE**



**REMOVES UP TO 99.8%
 OF FREE WATER**

Engine Benefits

- Eliminates water from the fuel system, Thus avoiding time-consuming breakdowns, while preventing the formation of damaging sulfuric acid.
- Removes solid particles from the fuel system, including oxides, dirt, rubbish, and all other impurities with a density greater than that of the fuel itself.

Economic Benefits

- Reduces down time.
- Extends the life of the injection pump and the injectors.
- Extends the life of the primary filter.
- Protects and extends the life of the engine.
- No internal or external parts requiring service or replacement.

Ecological Benefits

- Increases the operating life of fuel filters.
- The major component of fuel filters is paper. Use of an fuel purifier results in fewer trees being cut each year.
- Reduction in land fill due to fewer fuel filter replacements.
- Providing fuel that is free of water and suspended particulates is the first step in exhaust emissions control.
- Significant improvement in exhaust emissions.



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How Our Technology Works

The fuel purifier utilizes a three-stage purification process using two well-known fuel separation principles, centrifugal force and coalescence. By using these two principles, water and other heavy contaminants are separated from the fuel. This eliminates fuel filter clogging, related breakdowns, downtime, and frequent filter replacements. As the fuel enters the purifier, it flows downward in a circular movement through an internal baffle system, entering the lower chamber of the purifier.

Stage 1

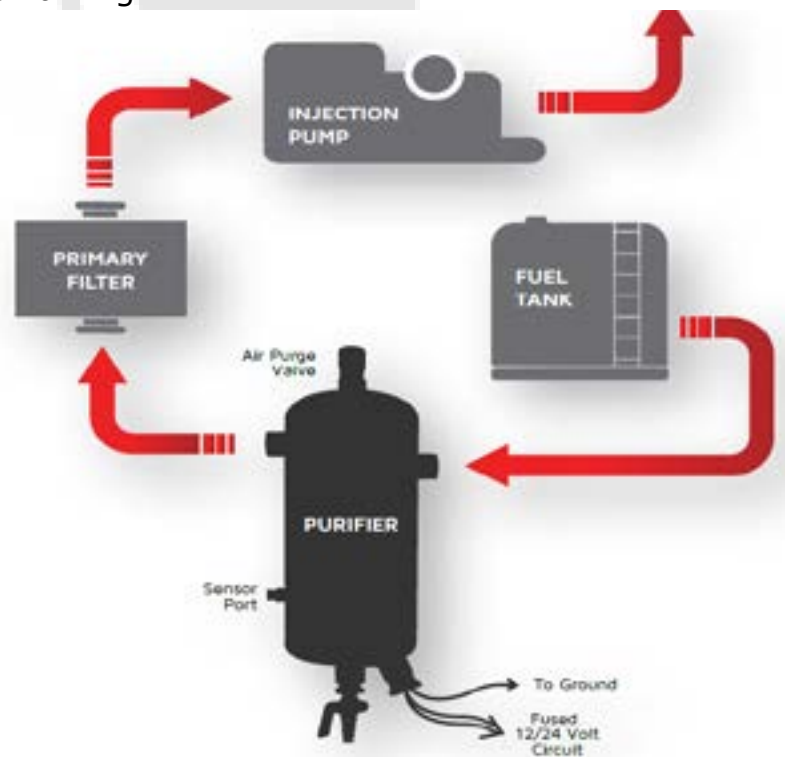
The velocity of the fuel slows down considerably, allowing any free water droplets and other contaminants to maintain their mass and not emulsify with the fuel. These impurities accumulate and remain at the bottom of the purifier until purged.

Stage 3

The fuel passes through our patented coalescence medium to ensure that any small water droplets or particulates will be coalesced out of the fuel stream. Only the clean fuel rises to the top, providing a cleaner-burning fuel for quicker ignition and better combustion. Keeping fuel clean helps to increase the engine's dependability, power, and efficiency. On the TFP50, TFP 80, TFP 400 and TFP 700, a heating element is optional to preheat the fuel. This process helps liquefy the paraffin, providing better lubrication for the entire fuel system including the pump and injectors. This heating element eliminates any wax or gelling problems. The fuel purifier is simple to install and serves as a durable component to your fuel system. We also offers an optional water sensor kit, with an alarm signal, indicating purging is required.

Stage 2

The fuel migrates through three perforated baffle plates to stop any particulates and attract, by way of coalescence, any water droplets remaining.



The Fuel Purifier removes up to 99.8% of free water and up to 95% of other heavy contaminants before it ever reaches your engine's primary filter.



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SPECIFICATIONS

TFP50	TFP80	TFP400	TFP700
NOMINAL FLOW .5GPM	NOMINAL FLOW 1GPM	NOMINAL FLOW 2GPM	NOMINAL FLOW 7GPM
CONNECTION SIZE: 3/8" NPT	CONNECTION SIZE:1/2" NPT	CONNECTION SIZE:1/2" NPT	CONNECTION SIZE:3/4" NPT
DIMENSIONS: 8" H x 3" W	DIMENSIONS: 8" H x 4.5" W	DIMENSIONS:1 12" H x 4.5" W	DIMENSIONS:1 16" H x 4.5" W
GROSS WEIGHT:4 lbs.	GROSS WEIGHT:6 lbs.	GROSS WEIGHT:9 lbs.	GROSS WEIGHT:11 lbs.
APPLICATIONS:Mid-size Marine, Small Marine, Sports Equipment	APPLICATIONS:Die-sel-Powered Trucks, Portable Generators, Small to Mid-size Engines, Marine equipment	APPLICATIONS: Diesel-Powered Trucks, Generators, Marine Equipment	APPLICATIONS: Highway, Off-Road Heavy-Duty and Marine Equipment

****The Fuel Purifier removes up to 99.8% of free water and up to 95% of other heavy contaminants before it ever reaches your engine's primary filter

**** Water Sensor Kits Optional for ALL TFP Units: Flow rates shown may vary by application. Units include mounting hardware exceptfuel line fittings.

* Heating element optional (6amp/12Volts, 3amp/24Volts, 120volts and 240volts).

** Factory preset pressure release valve at 50 psi.



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SPECIFICATIONS

TFP800	TFP1000	TFP1500	TFP2000	TFP3000	TFP4000
FLOW RATE: 15 gal/min 56.8 lts/min	FLOW RATE: 40 gal/min 151.4 lts/min	FLOW RATE: 90 gal/min 340.7 lts/min	FLOW RATE: 100 gal/min 378.5 lts/min	FLOW RATE: 200 gal/min 757.1 lts/min	FLOW RATE: 400 gal/min 1,514 lts/min
CONNECTION SIZE:1" NPT	CONNECTION SIZE:1" NPT	CONNECTION SIZE:2" NPT	CONNECTION SIZE:2" NPT	CONNECTION SIZE:3" NPT	CONNECTION SIZE:4" NPT
DIMENSIONS: 16" H x 4.5" W	DIMENSIONS: 20" H x 7" W	DIMENSIONS : 39.6" H x 7" W	DIMENSIONS: 42.5" H x 15" W	DIMENSIONS: 56.5" H x 15" W	DIMENSIONS: 76.5" H x 15" W
GROSS WEIGHT:11 lbs.	GROSS WEIGHT:22 lbs.	GROSS WEIGHT:41 lbs.	GROSS WEIGHT:124 lbs.	GROSS WEIGHT:139 lbs.	GROSS WEIGHT:285 lbs.
APPLICATIONS: Stationary Pumps, Marine Equip-ment	APPLICATIONS: Locomotives, Pumping Stations, Fuel Docks, Extra Heavy-Duty Mo- bile or Stationary Engines, Large Marine Applica- tions	APPLICATIONS: Highway, Off- Road Heavy-Du- ty and Marine Equipment	APPLICATIONS: Larger Pumping Stations, Aircraft Fueling, Fuel Docks, Extra Heavy-Duty Mobile, Station- ary and Marine Engines	APPLICATIONS: Larger Pumping and Refueling Stations, Fuel Transfer Docks, Extra Heavy-Duty Mobile, Station- ary and Marine Engines	APPLICATIONS: Larger Pumping and Refueling Sta-tions, Fuel Trans-fer Docks, Marine Applications