

Typical and permanent solution
for Diesel Fuel Engines

PURIFIER DIESEL FUEL



Global Patent

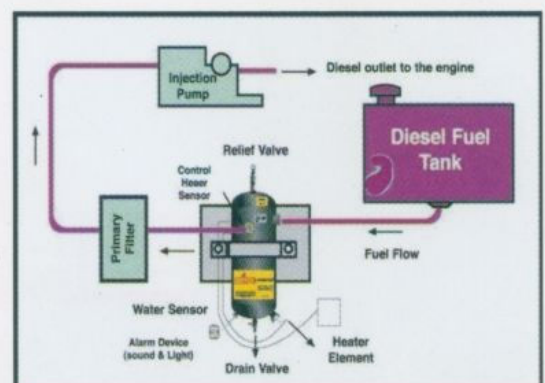
Product introduction

S.F.D. (Thailand) Co., Ltd., is a manufacturer and exporter under license from SFD, of diesel fuel purifier product, under the brand name of SFD Purifier, which is one of the latest innovation in the world of pollution control devices designed for Diesel engine. Patented and registered globally in 96 countries including USA and Canada.

After long research by governmental and academic institutions in over 26 countries, SFD purifier is considered as the typical and permanent solution for diesel engines.

Its main features:

1. Helps in protecting the environment, since it substantially reduces the black smoke of the diesel engines, by reducing dirt, impurities, acid, sulfur from diesel fuel prior to enter the diesel engine.
2. Eliminate the forming of sulfurs in the fuel system, which is positively reflected on the life expectancy of the engine.
3. Separate the water from diesel fuel and prevent it from passing to the engines.
4. The diesel fuel is heated to optimum degree to ensure best combustion and prevent the thrombosis and cirrhotic problem of the diesel fuel.
5. Used for medium and large diesel engine, irrespective of their usage, like buses, construction equipment, generators, marine engines, trucks, and agricultural equipment.
6. It is installed before the primary filter(s), so it increases the life of the primary filter by 9 to 12 times.
7. Protects the injection heads and injection pump, and hence the life expectancy of engine is increased.
8. By assuring the quality of purified, and heated diesel fuel going to the engine, the efficiency of the burning of the fuel is increased and hence reduction of fuel consumption. (real tests showed from 5 to 20 % saving on fuel depending on engine type and state.)
9. No modification to the engines is required, as the SFD purifier is installed on the fuel line and does not interfere with main engine in any way.
10. Has no moving parts, and made of steel, aluminum and bronze, covered by warranty of 1 year for all cycle of more than 10 years.
11. Global patent already registered in 96 countries.
12. Priced attractively to operators, usually not more than 2-3 months, for pay back.



S.F.D
PURIFIER DIESEL FUEL
200 HP

USES

It is used on the diesel engine of moving vehicles, and moving generators, compressors, small vehicles, transport vehicles, small and medium marine diesel engines, picnic boats and fishing boats.

SPECIFICATIONS

- Flow average:** 7.5 liter/minute.
- Extent of power:** up to 200 hp.
- Heating:** 160 watt, 12 24 or 220 volt.
- Net weight:** 3.5 kg.



S.F.D
PURIFIER DIESEL FUEL
600 HP

USES

It is used on the medium and high power diesel engine that are fitted on all moving and stable equipments, transports vehicles buses, generators, compressors, agricultural equipments, construction equipments, military equipments, ...etc.

SPECIFICATIONS

- Flow average:** 12.6 liter/minute.
- Extent of power:** up to 600 hp.
- Heating:** 180 watt, 12 -24 or 220 volt.
- Net weight:** 5 kg.



S.F.D
PURIFIER DIESEL FUEL
1000 HP

USES

It is used on heavy duty engine, electric generators, ships, liners, winches, locomotives, ...etc.

SPECIFICATIONS

- Flow average:** 62.4 liter/minute.
- Extent of power:** up to 1000 hp.
- Heating:** 230 watt, 12 -24 or 220 volt.
- Net weight:** 10 kg.



S.F.D
PURIFIER DIESEL FUEL
1500 HP

USES

It is used on high power heavy duty engine, large pumps, railway locomotives, electric generating stations, ...etc.

SPECIFICATIONS

- Flow average:** 175 liter/minute.
- Extent of power:** up to 1500 hp.
- Heating:** 300 watt, 12 -24 or 220 volt.
- Net weight:** 20 kg.



ROUTINE MAINTENANCE DRAIN THE SFD PURIFIER DIESEL FUEL

1. Make sure the engine is stopped and ignition is turned off.
2. Remove the top Relief Valve to allow for the drainage of the water and impurities from the lower valve.
3. Using a clear bottle or jar, insert the opening of the lower valve into the neck of the container and open the Drain Valve to allow the water and impurities to drain into the container.
4. When fuel is observed entering the bottle, continue to let it flow until completely clean fuel is observed. Tighten the bottom valve sharply to ensure a good seal.
5. After draining, fill the SFD Purifier Diesel Fuel with clean diesel. When full replace the top Relief Valve prepared with a few turns of Teflon - type tape, turn Relief Valve clockwise until well seated.

The SFD Purifier Diesel Fuel is now ready to function

Recommended Periodic maintenance

It is recommended that this procedure be followed between 5-6,000 kilometers or 140-180 operating hours. If the environmental conditions, e.g. humidity, dust, etc., are extreme, or the quality of the diesel fuel is below standard, more frequent draining, will be required. It is recommended that every 100,000 kilometers (or 3,000 operating hours) both the Relief Valve and Drain Valve be removed the SFD Purifier Diesel Fuel be drained completely and evacuated with a high pressure air hose from the top down. This will remove any solid and dust which may remain in the lower portion of the equipment.

CAUTION

When reassembling, make sure that the Relief Valve and Drain Valve are replaced without Cross threading and that the SFD Purifier Diesel Fuel is full before restarting the engine.

NO OTHER MAINTENANCE REQUIRED

