LKF Series

NEW

- **For small gensets and light-duty trucks**
  Designed for the lower flow capacities of these industrial and automotive market.
- **Improves diesel engine reliability**
  95% water separation.
- **Fine element filtration**
  Elements are replaceable in 10 or 6 micron.
- **Easy maintenance monitoring**
  Clear bowl to see water level and optional water sensor sends a signal to vehicle
- **Long service life of the element**
  Clean fuel not consumed by the engine can be re-routed back to the filter.

Clean Fuel Not Just For The Big Guys

Separ Filter meets the clean fuel demands of smaller diesel engines with the LKF coalescence filter. It is ideal for:

- Small Gensets
- Four-wheel Drives
- Pick-ups
- Light-duty Trucks

Coalescence and Features

The filter should be installed between the tank and the engine's lift pump.

The elements have two different filter media. The external medium enlarges the water droplets, so the internal medium can separate them from the diesel fuel. The separated water collects in the bowl for drainage.

The acutal diesel fuel consumption by the engine is less than the circulated fuel. Therefore the service life of the LKF element can be increased by connecting the fuel return back to the LKF. Then, the amount of fresh diesel from the tank is only a small quantity.

The clear bowl allows the user to easily see when water has collected in the bowl. Additionaly, the filter has an optional **water sensor** that can signal the vehicle once the high level has been reached.

The filter has an optional **electrical heater** (external) with heating capacity up to 600W for cold climates.

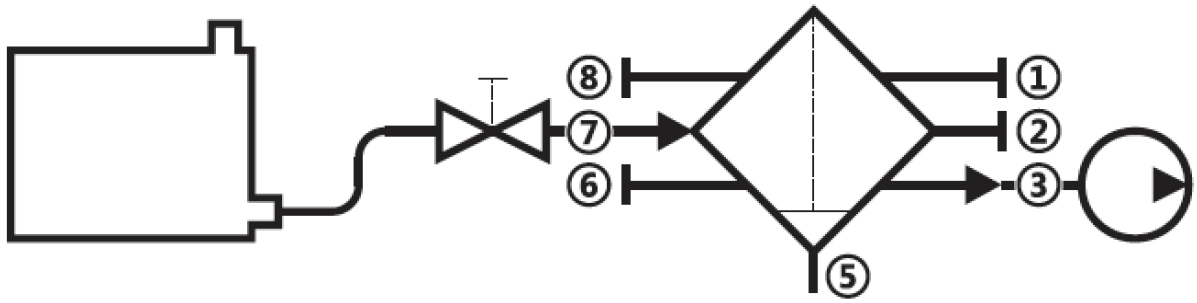
Industrial Version for Small Gensets
Flow Capacity 126.8 gallons per hour

Automotive Version for Light-Duty Trucks
Flow Capacity 47.5 gallons per hour

Installation

The filter should be installed between the tank and the engine's lift pump.

Connection Example 1: Filter Without Return Flow

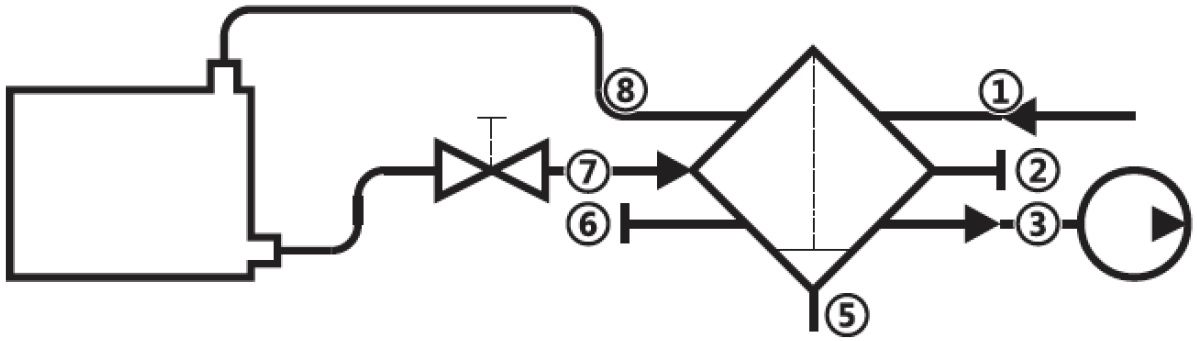


► The filter is mounted.

1. Connect the pipe from the tank to a medium supply flow ❷/❼.
2. Seal the medium supply flow ❼/❷ on the opposite side of the filter with a sealing plug.
3. Connect the pipe from the filter to the injection system to a medium flow ❸/❻.
4. Seal the medium flow ❻/❸ at the opposite side of the filter with a sealing plug.
5. Close off both medium return flows ❶/❽ with one sealing plug each.

= The filter is connected.

Connection Example 2: Filter With Return Flow



► The filter is mounted.

1. Connect the pipe from the tank to a medium supply flow ❷/❼.
2. Seal the medium supply flow ❼/❷ on the opposite side of the filter with a sealing plug.
3. Connect the pipe from the filter to the injection system to a medium flow ❸/❻.
4. Seal the medium flow ❻/❸ at the opposite side of the filter with a sealing plug.
5. Connect the return flow pipe from the injection system to the filter to a medium return flow ❶/❽.
6. Connect the return flow pipe from the filter to the tank to a medium return flow ❽/❶ at the opposite side of the filter.

= The filter is connected.