

Automatic Duplex Fuel Filter System

- ▶ **Automatically switches to backup filter**
Eliminates the need to manually check and service the filter in case of alarm
- ▶ **Maximize engine uptime**
The backup filter allows the service of the primary filter to be rescheduled during downtime
- ▶ **Lower cost of ownership**
User can backlush filter up to 5 times before replacing element
- ▶ **Protect the engine from contaminants**
99.9% Water separation (certified TUV report using SAE J1839) and removes particulate buildup from the fuel tank



Making Sure the Engine Never Stops

The Automatic Duplex fuel filter system involves an automated switchover that changes to the backup filter when the primary filter is clogged or water is detected. This component provides continuous operation of the engine fuel system, and eliminates downtime while the primary filter is being serviced. It also ensures the fuel system will perform when you need it most and keeps running.

The system separates harmful water and particles from the diesel fuel, which can wreak havoc on the lift pump, injectors and engine-mounted filters. The patented 5-stage filtration of Separ Filter ensures clean, dry fuel to protect your equipment from failure and costly repairs.

Function and Operation

Electrically, the equipment can be supplied to operate with 12V or 24V DC and the range is wide enough to cover all sizes of storage tanks. Flow rates range from 79 GPH to 2,060 GPH.

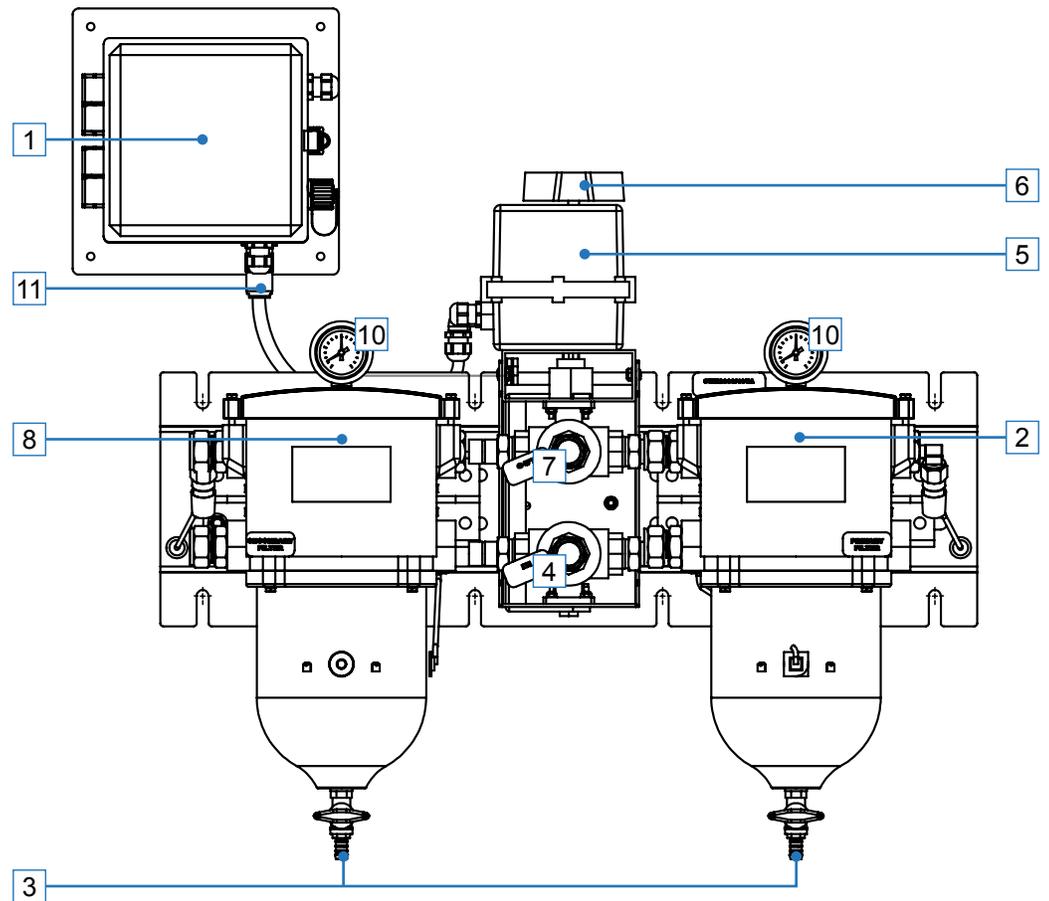


Status lights indicate which filter is in use and when the backup filter is in need of maintenance. The NEMA DC controller manages the switch-over. Should there be a loss of power, the user can manually turn the red handle atop the unit to conduct the switch to the secondary filter.

| Model | SWK-2000/5/50UA | SWK-2000/10UA | SWK-2000/18UA | SWK-2000/40UA | SWK-2000/130UA |
|-------------------|--|--------------------|---------------------|---------------------|----------------------|
| Flow Rate | 79 GPH 300 LPH | 158 GPH 600 LPH | 285 GPH 1080 LPH | 630 GPH 2400 LPH | 2060 GPH 7800 LPH |
| Voltage | 12V or 24V DC | | | | |
| Inlet / Outlet | #8 (1/2") Male JIC | #8 (1/2") Male JIC | #12 (3/4") Male JIC | #16 (1") Male JIC | #32 (2") Male JIC |
| Features Included | <ul style="list-style-type: none"> • Separ Filter's patented 5-stage filtration • Alarm for high water and high vacuum • Control panel indicating which filter is in use and alarm status | | | | |

System Overview

- 1 Control box
- 2 Primary filter
- 3 Drain valve/open
- 4 Inlet
- 5 Automatic actuator
- 6 Manual switchover on automatic actuator
- 7 Outlet
- 8 Secondary filter
- 9 Water sensors
- 10 Vacuum gauge
- 11 Control box connector



Assembly Options

The Automatic Duplex fuel filter system is offered in several options: voltage, type of inlet and outlet connections, and the element micron rating installed. See the options below to configure your complete assembly.

Configure A Complete Assembly:

| Model | + | Voltage | + | Inlet / Outlet | + | Micron | = | Complete Assembly |
|-----------------|---|---------|---|----------------|---|--------|---|-------------------|
| SWK-2000/5/50UA | | 12 | | 00 for FNPT | | 10 | | |
| SWK-2000/10UA | | 24 | | 01 for MJIC | | 30 | | |
| SWK-2000/18UA | | | | 02 for MNPT | | 60 | | |
| SWK-2000/40UA | | | | | | | | |
| SWK-2000/130UA | | | | | | | | |

For example:

The formula below creates a SWK-2000/40UA system in 24V, with male JIC inlet / outlet connections, and 10 micron filter element installed.

| | | | | | | | | |
|---------------|---|----|---|----|---|----|---|------------------------|
| SWK-2000/40UA | + | 24 | + | 01 | + | 10 | = | SWK-2000/40UA-24-01-10 |
|---------------|---|----|---|----|---|----|---|------------------------|