



High Flow Single and Duplex Filter Series

Reliable filtration solution for flow rates up to 11200 l/min.

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

The HFS and HFD Filter Series sets a new standard for safety in high capacity lubricant, fuel and hydraulic systems.

Parker's newest innovation in heavy filtration systems, the High Flow Single and Duplex Filter Series, provides the ultimate in reliability and functionality.

Heavy duty functionality with innovative structures

Filter elements are available in different compositions; sizes up to DN350 cover flow rates of up to 11200 l/min. Standardization of the filter element's size means it can be used in multi-element housings. Housings can be drained quickly by means of large drain ports on both clean and dirty sides. In duplex filters, an equalizing valve provides easy changeover of flow direction to filter housings. Parker's angular sealing arrangement makes installation of elements easy.

Heavy duty reliability with monitoring indicators

The HFS and HFD Filter Series is the safest choice when smooth operation is critical and downtime will cost dearly. To make sure the filters are changed at the right time, several indicator options are available. This full-capacity filtration system will also lower operation and maintenance costs.

10 strong reasons to choose HFS and HFD Filter Series

- Same filter element size allows standardisation in multi-element housings
- Sizes up to DN350 cover flow rates up to 11200 l/min
- Intelligent link between butterfly valves ensures safe change-over
- Equalizing valve eases the changeover of flow direction to filter housings
- Parker's angular sealing arrangement helps the installation of elements
- Full flow bypass valves are located in the centre core to ensure reliable operation
- Several indicator options to monitor element condition
- Lightweight lids for easier service
- Optional opening guard to fulfill classification society requirements for marine applications
- ANSI flanges and stainless steel versions available upon request





When the ultimate reliability is a critical factor

Typical applications for High Flow Single and Duplex Filter Series:

Steel and other metal industries

- Lubrication oil systems
- Central hydraulic systems
- Descaling systems
- Coolant filtration

Power generators

- Lubrication oil systems
- Fuel filtration
- Coolant filtration



Paper mills

- Oil circulation lubrication systems
- Gear box lubrication systems
- Chemical filtration
- Coolant filtration

Shipping and ship building industries

- Lubrication oil systems
- Fuel filtration
- Central hydraulic systems



Product range

HFS and HFD Filter Series elements are available in different compositions. Filters are suitable for flow rates from 700 l/min up to 11200 l/min. To ensure correct sizing, several connection options are available for each housing type.

exception is the 700 l/min housing (the smallest), which uses an element having the same diameter but shorter length.

Filters use the same elements. The number of elements in each filter will vary according to the size of the housing. The only

Smaller duplex filters are equipped with two ball valves, which are connected to one change-over lever. The medium and large duplex filters include two butterfly-type valves on the upstream line which are operated by a hand wheel and linked together with an intelligent thread rod mechanism. Downstream lines include flap-type check valves.



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