

PARTICULATE FILTER ASSEMBLIES

Duplex filters are installed directly into the hydraulic line and utilize a manual selector valve to reroute the flow of hydraulic fluid between two filter elements making it possible to change hydraulic filter elements without machine shutdown. FG Fluid Solution's patented design of the selector valve allows for single-hand control and smooth operation. The FG duplex selector valve is known throughout the world for its robustness and ease of use. The duplex filter design allows the filter to do its job during scheduled maintenance without interruption to hydraulic flow when a critical operational shutdown is unacceptable.

FG Fluid Solutions Automatic Filters are capable of self-cleaning without interrupting the filtration process, making these units extremely useful in a large number of industries. The filter is cleaned either when a preset differential pressure limit is reached or after a specified cycle time elapses. Cleaning is accomplished by rotating the filter against a spring actuated scraper or exerting a back-flushing pressure onto the filter.



Duplex Filters



Duplex filters for hydraulic and lubrication systems are designed for use in circulating lube oil systems and hydraulic power units, such as found in pulp and paper mills, steel and aluminum mills, refineries and chemical plants, mining, power generation and other industrial locations. The filter elements can easily be changed during operation with a simple turn of our ergonomically designed handle. A special lever in the handle allows switching and pressure compensation with one hand. Thanks to this patented one-hand switch, the system can continue to run without interruption. When filter elements need to be replaced, a standard maintenance indicator signals the production floor. In continuous running filter systems, the elements can be removed and replaced in one filter housing while the other filter housing takes over. In larger filter systems, the elements can be removed from the top. The systems meet the highest demands in terms of ergonomics and economy.

Applications

Circulating lube oil systems

Hydraulic power units

Features

Duplex construction

Patented one-hand switch for changing filters

Benefits

Enables continuous operation at the highest performance level

Filter elements can be changed without interrupting operation



Available in an assortment of pressures and configurations. For more information contact technical services at 1.800.241.2342.