

FILTRATION SOLUTIONS FOR

# ***MOBILE VEHICLES***



***Schroeder***  
**INDUSTRIES**  
Advanced Fluid Conditioning Solutions®



BDF1



BDFC



BDS

## Bulk Diesel Filtration | BDF1, BDS, BDFC

- ♦ Fuel and water separation media technology in a three-phase element construction for high efficiency, single-pass removal of free and emulsified water in Ultra-low Sulfur Diesel (ULSD) and other blends
- ♦ Can be upstream (suction side) or downstream (pressure side) of transfer pumps
- ♦ Helps protect expensive, vital engine components against failures caused by water
- ♦ Separates emulsified and free water from diesel fuel
- ♦ Ultra high water separate efficiency and high capacity without the repetitive cost of disposable water absorption cartridges.
- ♦ Key benefits and applications include GeoSeal®, Bulk Fuel Transfer, Dirt Catcher
- ♦ BDFC: The BDFC provides exceptional single –pass diesel filtration and continuous water removal. It includes the BDF1 unit with a particulate pre-filter and our patented coalescing water removal filter. Ideal for single pass transfer or kidney loop fuel maintenance operations at 14 gpm flow rate.



HDP-BC



HDP-HT

## On-Board Diesel Filtration | HDP-BC, HDP-HT

- ♦ Filters rated up to 4000HP and 475 GPH.
- ♦ Synthetic fiberglass media used for particulate and coalescing filtration.
- ♦ Economical and technically reliable operation due to long element service life.
- ♦ Water in Fuel Sensor (WIF), fuel preheater and integrated boost pumps available as options.
- ♦ High Tech design: Reliable dewatering thanks to automatic water discharge, even during suction side operation



CGFP50

CGF1.5

CGF8

CGF50

## Compressed Gas Filtration | CGF Series

- ♦ High efficiency gas filtration, designed to provide improved service intervals and reduce pressure drop, reducing system energy consumption.
- ♦ High, medium and low pressure housings protect sensitive fuel systems, gas compressors, and dispensing equipment.
- ♦ Media for bulk water separation to fine particulate, water, and oil aerosol removal, keeping equipment and processes running smoothly.
- ♦ CGF Series includes High Pressure Compressed Gas Polishing Panel (CGFP50) for dispensing & transfer filtration; utilizes two stages of the CGF50 Compressed Gas Filters to remove particles and aerosols of oil and water



GF1

## Compressed Hydrogen Filtration | GF1

- ♦ Hydrogen is a benchmark of clean energy, and mobile equipment utilizing compressed hydrogen as fuel is beginning to proliferate
- ♦ Schroeder's stainless steel, high-pressure GF series of filters are engineered for the unique considerations of hydrogen filtration
- ♦ GF series offers coalescing and particulate filtration options with an extremely durable, maintenance-friendly design



AMFS

FCU

HFS-15

## Fluid Conditioning | AMFS, FCU, HFS-15

- ◆ Asset Management Filtration Station (AMFS): The AMFS is an all-in one system that monitors fluid condition, filters out contaminants and tracks all necessary data. Includes real-time monitoring of ISO cleanliness and water saturation and automatic shut-down when desired ISO codes is reached.
- ◆ FCU: The FCU is a portable service unit, is designed for temporary measurement of solid particle contamination (ISO code) and water saturation in hydraulic systems. The integrated pump and the hoses with test point connections, which are included with the FCU, allow operation on reservoirs, control circuits, and high pressure circuits.
- ◆ HFS-15: Lightweight and portable 4gpm filtration unit for filtration of particulate contamination in small reservoirs; ideal for field use and filtration while filling.



SAB22

PABR7

DBE

## Air Breathers | SAB22, PABR7 and DBE

- ◆ Reduces operating costs by preventing airborne or water contamination
- ◆ Replaceable elements with resin impregnated 3-micron media
- ◆ Steel (SAB22) or nylon (PABR7) housing material
- ◆ Protection valves prevent media from saturation during system downtime
- ◆ Bypass valves divert out flow from reservoir away from water removal media to preserve media life



GRTB

YF30

GH Series

## Hydraulic & Lube Filters | GRTB, YF30, GH Series

- ◆ Filters rated for 6500 psi working pressure and up to 450 gpm
- ◆ High-pressure filters to protect the most critical components on open-circuit functions and closed-loop pumps and motors
- ◆ Lightweight filtration options as well as cost-optimized filters
- ◆ Low-pressure filtration for inline and in-tank hydraulic returns
- ◆ Allow consolidation of inventoried replacement elements by using K-size elements
- ◆ Integrated filtration solutions including filter manifold and filter reservoir solutions



Schroeder Elements

## BestFit™ Replacement Elements | SBF

- ◆ Premium filter element equivalents for over 42,000 OEM-brand part numbers and counting! Try our convenient Element Cross Reference Search Tool: [schroederindustries.com/cross-reference](https://schroederindustries.com/cross-reference)
- ◆ Affordable filtration solutions sized to fit a wide variety of applications and replace a wide range of competitor elements
- ◆ Cartridge and spin-on styles available in a variety of media grades (cellulose, synthetic, water removal, anti-stat, stainless steel, metal mesh)
- ◆ Available for private label branding





## TNK | Complete Tank Packages

- ◆ Optimized designs for heat and air removal.
- ◆ Lightweight and cost effective, yet highly durable and resistant to temperature extremes.
- ◆ Zero corrosion/cavitation risk versus conventional metal hydraulic reservoirs.
- ◆ Recyclable, less energy-intensive, more eco-friendly alternative to steel tanks.
- ◆ **Complete TNK Packages** include vital accessories like in-tank filtration, gauges, and breathers pre-installed.



## Tank Optimization

**Did you know that many hydraulic reservoirs are oversized and inefficient for their application?**

- ◆ Tank Optimization utilizes cutting-edge digital simulations and CFD analyses to inspect the existing reservoir design for inefficiencies
- ◆ Based on the existing tank analysis, Schroeder Industries reservoir engineering experts can help develop a custom tank solution or recommend a pre-optimized tank design
- ◆ Schroeder Industries proven methods have helped dozens of customers downsize their reservoirs, improve tank performance, and conserve resources
- ◆ Tank Optimization benefits can include:



Increased  
Machine Space



Reduced  
Weight



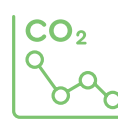
Reduced Oil  
Usage



Reduced  
Costs



Improved  
Energy Efficiency



Increased  
Sustainability



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