

FILTRATION SOLUTIONS FOR MOBILE VEHICLES



Standardized Fluid Testing Solutions

Turnkey Fluid Quality Measurement
and Maintenance Tools

Filtration Optimization by Application



Bag Filtration | Bag Housings

- ♦ Quick and easy installation
- ♦ High dirt holding capacity at a low cost
- ♦ Welded seams with built-in flange assembly improve efficiency and prevent bags from failing in operation
- ♦ 100% incinerable



Bulk Diesel Filtration | BDF1, BDS

- ♦ 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



Fluid Conditioning | AMFS, BDFC and TMU

- ♦ **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.
- ♦ **TMU:** The TMU 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 TMU, allow operation on reservoirs, control circuits, and high pressure circuits.
- ♦ **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.



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

Hydraulic & Lube Filters | YF30, GRTB, TNK and Manifold



- ◆ 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

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



- ◆ Low investment costs and small installation space.
- ◆ Consistent dewatering over the entire life of the filter element
- ◆ Robust design thanks to aluminum housing.
- ◆ Economical and technically reliable operation as a result of long element service life
- ◆ High Tech design: Reliable dewatering thanks to automatic water discharge, even during suction side operation
- ◆ Water sensor and fuel preheating available as options

Biodiesel Purification | BCC100, Eco₂Pure



- ◆ Continuous single pass purification
- ◆ Faster per kg or lbs flow than ion exchange
- ◆ Low capital expenses compared to batch absorbents
- ◆ Sustainable media and no water required
- ◆ ColdClear[®] is a 3-stage system which can easily be integrated into existing systems
- ◆ In-plant treatment of biodiesel blends (ex. B5, B10, etc) to ensure blended biodiesel meets or exceeds cold flow specifications
- ◆ For use in diesel fuel storage and distribution systems where B100 or biodiesel blends are stored and distributed to ensure shipped blends conform to ASTM specifications

HydraSPIN Elements | GH Hydrostatic Filters, which can be exclusively OEM branded



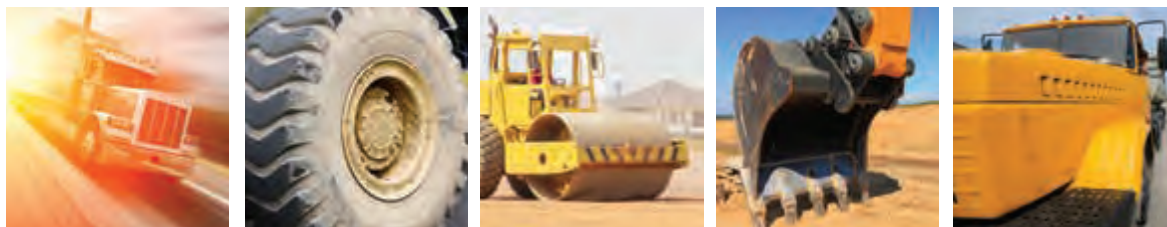
- ◆ Patent and proprietary bowl to element seal helps reduce potential leakage
- ◆ Wide variety of application specific media grades
- ◆ Designed to significantly reduce filter pressure drop, minimizing system energy loss
- ◆ Cartridge style element with integrated bypass valve, providing an alternative to spin-on filtration
- ◆ Pre-printed outerwrap offers a branding opportunities.

Schroeder Industries, an ISO 9001:2008 certified company, focuses on developing filtration and fluid service products for mobile equipment and is proud of our proven track record of providing quality products over the last sixty years. The designs you see inside are the result of thousands of hours of field testing and laboratory research...and decades of experience. Schroeder was one of the first companies to demonstrate the need for, and benefits of, hydraulic filtration. We pioneered the development of micron filtration, helping to set performance standards in industrial fluid power systems. As a result, Schroeder is now a leader in filtration and fluid conditioning — and the proof of our expertise lies in our broad mix of unsurpassed products.

For more information, please visit: www.schroederindustries.com

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Mobile Vehicle



We design solutions for both OEM and MRO requirements and for the success of our customers by:

- ♦ Optimizing the use of technology for on-road and off-road applications
- ♦ Using an efficient, timely customization process to fill specific customer needs at the equipment level
- ♦ Preserving our reputation for reliability and improving our products and services.
- ♦ Expanding globally to support our customers and stay current with new technologies
- ♦ Leveraging and sharing our knowledge to meet challenges, like developing our fuel filtration area to meet tier 4 engine requirements
- ♦ Nurturing a creative, cooperative culture committed to the individual and to providing the best solutions for our customers

Our goal is to be your fluid conditioning partner. Our expertise in filtration technology, our superior filter and element manufacturing capabilities, and our dedication to customer service and product support are the reasons we're considered experts in Advanced Fluid Conditioning Solutions®.

We are committed to providing the best available filter products to meet necessary cleanliness levels at a competitive price. As a cost-effective quality producer, we can work with your engineering and purchasing departments to supply contamination control technology or develop long-range product programs that can meet your company's growing demand for increased uptime of equipment.



For more information, please contact sisales@schroederindustries.com



580 West Park Road | Leetsdale, PA 15056, USA
724.318.1100 phone | 724.318.1200 fax
www.schroederindustries.com

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Advanced Fluid Conditioning Solutions®