Sustainability and Schroeder: How They Go Hand in Hand

ISO 9001:2015 Certified Schroeder Industries has been in operation since 1946. Starting as a mining equipment manufacturer and distributor, Schroeder quickly saw a need and assumed the position as a leader in the design and production of advanced, sustainable, liquid filtration, fluid conditioning, and fluid system diagnostic solutions in 1954. Schroeder directly, and through its global distributor network, serves the world’s largest industrial (OEM and MRO) and mobile (OEM and Fleet) customers. We accomplish this with optimized OEM fluid conditioning tools, and we deliver the solution and services that MRO customers require to meet their operational performance goals. We deliver sustainable product solutions and services. We are relevant when the cleanliness of hydraulic fluid, lubrication fluid, gas, fuel, emulsion, or process water is vital to our customers’ success.

Schroeder continues to look forward and is committed to delivering our technologies in a platform (SI Energy Sustainability) that supports our customers’ efforts to reduce their carbon footprint. We do this by designing energy efficient solutions and services that prolong the useful life of process water, mineral oil, or fossil fuel. We do this by reducing the volume of fluid used in a system or by reducing, and in some cases eliminating, the frequency of liquid disposal. In engine applications, we deliver the critical filtration solutions that are required to reach the most stringent emission requirements. Finally, we deliver the filtration or fluid conditioning tools to most of the OEM’s that provide systems for clean energy delivery to the consumer.

Schroeder Industries is headquartered in Leetsdale, PA, with a second production facility in Cumberland, MD.

Products:

**Hydraulic & Lube Filters**
A complete range of filter assembly types up to 6,500 psi (448 bar).
These products are designed with system efficiency, weight reduction from oil and steel savings, and filtration efficiency for oil cleanliness and longevity in mind. **Product offerings Include:**
- High Pressure Filters (3,000-6,500 psi)
- Medium Pressure Filters (500-1,500 psi)
- Low Pressure Filters (up to 300 psi)
- Manifold Mounted Filter Kits

**Filter Elements**
Filter elements to remove impurities and contaminants, meet required cleanliness levels.
- E-Drive Media: with the current development of electric drives, we are proud to introduce our LF E-Filter media.
- Schroeder Original Elements
- Schroeder BestFlo Replacement Elements
- Spin-On Elements
- Cartridge Elements
- And more!

**Filter Systems & Diagnostics (IoT)**
Mechanical and electronic fluid conditioning and diagnostic monitoring tools.
- Hand-Held Hydraulic Filter Units
- Filter Cart Systems
- Stationary Kleen Loop Systems
- Filter Skid Systems
- Oil Testing Systems
- Particle Counters
- Fluid Sampling Systems
- And more!

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**Fluid Care Center (FCC)**
Located in Leetsdale, PA, our FCC is a collaborative, customer-focused work environment for complete fluid evaluation and product development.
- Equipped with the tools and resources required to partner with our customers early in their machine design process.
- A place where we validate and demonstrate added value.
- On-Site Fluid Conditioning Products and Services Training
- Application Specific Testing
- Machine + System Optimization
- Technical Cleanliness Certification
- Fuel Filtration
- Designed for fuel filtration applications, including bulk storage, mobile equipment, etc.
- **Product offerings include:**
  - Bulk Diesel Filtration Products
  - Fuel Diagnostic Tools
  - Filter Cart Systems
  - Replacement Elements
  - On-Board Diesel Filtration
  - And more!
- **Process Filters**
  For removing contamination and solid particles from gas-solid or liquid-solid process streams.
- **Product offerings include:**
  - Backflushing Filter/Strainers
  - Bag Housings and Elements
  - Inline Filters
  - Cartridge Housings and Elements
  - Conoscreen®
  - Rolling Media Filtration
  - And more!
- **Optimized Hydraulic Tanks & Accessories**
  The TNK Complete Tank Solution is 40% lighter than steel tanks.
  By reducing the hydraulic tank size, this reduces the amount of oil being used in a system. We estimate by reducing oil usage by 1,250,000 liters, it can save 5700t of CO
- **Product offerings include:**
  - Reservoir Accessories
  - Complete Tank Packages
  - Gauges
  - Electrical & Visual Indicators

FCC: Commitment to Value Driven Sale

**Fuel Filtration**
Designed for fuel filtration applications, including bulk storage, mobile equipment, etc.
- Tier 4 and 5: We have state-of-the-art filtration for injectors that reduce fuel emission and waste streams.
- **Product offerings include:**
  - Bulk Diesel Filtration Products
  - Fuel Diagnostic Tools
  - Filter Cart Systems
  - Replacement Elements
  - On-Board Diesel Filtration
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To learn more about Schroeder’s environmental impact, visit schroederindustries.com/sustainability

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We are pleased to announce the launch of Schroeder Service. What started as a basic contamination audit now includes a more in-depth contamination auditing service, essential equipment program, a sensor calibration service, and our all-new Filtration Management as a Service (FMaaS).

By offering the all-new Schroeder Industries Rental Equipment Program, we are now able to maintain the filtration capital equipment needed to achieve your oil cleanliness goals:

- We work with your team to establish the fluid conditioning goals.
- We constantly filter and/or dehydrate the hydraulic & lubricating oils in your plant to meet those goals.
- We (physically and remotely) manage the fluid cleanliness process to ensure uptime and to all but eliminate the need for contracting with a mobile recycling company.

http://schroederindustries.com/oil-filtration-management-as-a-service/

Filtration Management as a Service (FMaaS)

With our Filtration Management as a Service (FMaaS), Schroeder services delivers, and maintains the filtration capital equipment needed to achieve your oil cleanliness goals:

- We work with your team to establish the fluid conditioning goals.
- We constantly filter and/or dehydrate the hydraulic & lubricating oils in your plant to meet those goals.
- We (physically and remotely) manage the fluid cleanliness process to ensure uptime and to all but eliminate the need for contracting with a mobile recycling company.

http://schroederindustries.com/schroeder-rental-equipment-program/

Schroeder Rental Equipment

By offering the all-new Schroeder Industries Rental Equipment Program, we are now able to extend our proven fluid conditioning technology to a wider reach and at an affordable cost.

Available for rental are some of our target fluid conditioning systems, such as:

- Offline Fluid Conditioning
- High Volume Fluid Filtration
- Mass Transfer & Vacuum Dehydration
- Varnish Removal

http://schroederindustries.com/schroeder-rental-equipment-program/

Fluid Contamination Audit

Schroeder Service includes a complete, on-site fluid contamination auditing service.

With our fluid contamination auditing service, our customers can expect:

- The utilization of state-of-the-art technology, in real-time, to identify particulate contamination in bulk storage tanks and hydraulic systems.
- Discovery of on-site fluid audit goals.

http://schroederindustries.com/schroeder-service/

Visit us online @ www.schroederindustries.com for our complete product offering!