

FILTRATION SOLUTIONS FOR STEEL MAKING

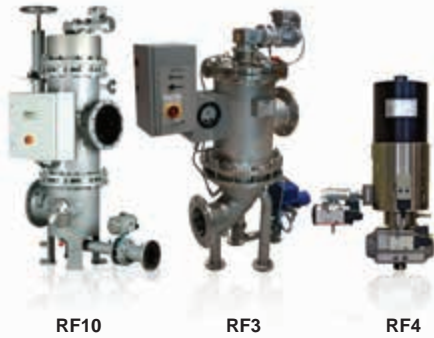


Improved Reliability

Branded Solutions

Lower Maintenance Costs

Automatic Self-Cleaning Strainers | RF10, RF3 and RF4



◆ **RF10:** Automatic backflushing, self-cleaning system that separates particles from seawater and waste systems. The RF10 can be used in conjunction with disinfection to meet IMO/USCG regulations for ballast and bilge waters. It provides superior pre-filtration for membranes, UV, Ozone and GAC Applications

◆ **RF3:** This automatic self-cleaning strainers are used for extracting particulate contaminants. It has a special housing design that incorporates an array of filter elements. The special Slotted Tube and SuperMesh elements with pore sizes from 25 to 3000 μm ensure highly effective removal of particulate contamination from the process medium. The adjustable differential pressure switch triggers the self-cleaning function. Each individual filter element is cleaned with filtrate in the reverse flow direction while being totally isolated from the rest of the element array. This is how the RF3 Self-Cleaning Strainer can continue to filter without any interruption of the filtration process during the backflush cycle.

◆ **RF4:** This Automatic Backflushing Filter is a self-cleaning system for removing particles from low viscosity fluids. Its robust construction and automatic backflushing capability make a major contribution to operational reliability and reduce operating and maintenance costs. The slotted tube or SuperMesh filter elements with filtration rates from 25 to 1000 μm ensure highly effective separation of contaminating particles from the process medium.

Automatic Twist Flow Strainer | ATF



- ◆ Suited to high levels of contamination and large fluctuations in the solid particle content of the untreated water
- ◆ By using conical slotted tube elements a more consistent filtrate quality is always guaranteed, irrespective of fluctuations in operating pressure and flow rate.
- ◆ The special flow characteristics provide a low pressure drop at <14 psi over the whole operating range
- ◆ The pre-filtration of solid particles of a higher density means that the filter surface area can take a correspondingly higher load and the filter can be comparatively smaller
- ◆ Traditional backflushing of the filter or the use of other fluids or cleaning chemicals is not required with the ATF. The filter elements are cleaned solely by surface flushing with untreated fluid



Servo Protection Filtration | FOF60

- ◆ Configured for D03 Subplate pattern
- ◆ Withstands high pressure surges and high static pressure loads
- ◆ Also available with high collapse elements

Schroeder Bestfit® Element with Private Label Branding Available



- ◆ Affordable filtration solution that can be used in a wide variety of applications
- ◆ Cartridge and Spin-on styles available
- ◆ Variety of media grades (cellulose, synthetic, water removal, anti-stat)
- ◆ Available for private label branding
- ◆ Over 40,000 cross references on the website



TF50



CF40

Base Ported Pressure Filter | TF50

- ◆ High pressure filter rated for 5,000 psi and up to 40 gpm
- ◆ Designed to protect open-circuit functions and closed-loop pumps and motors
- ◆ Can be installed in vertical or horizontal position
- ◆ Available with non-bypass option and high collapse element
- ◆ Offered with conventional subplate porting

Top Ported Pressure Filter | CF40

- ◆ A high pressure filter rated for 4,000 psi and up to 45 gpm. Designed to protect sensitive components. Filter elements available with multiple media types, including cellulose, synthetic, anti-stat and re-usable metal. Available with non-bypass option and high collapse element. Optional inlet and outlet test points.

Fluid Condition Monitoring Tools | *HY-TRAX*



HY-TRAX® Manually Controlled Fluid Sampling System



HY-TRAX® Telematic Communications Module with Remote Controlled Sampling System

- ◆ **HY-TRAX Manually Controlled Fluid Sampling System:** This product provides local visibility to the fluid condition of critical systems while integrating micro VFD (Variable Frequency Drive), pump/motor provides optimal flow for accurate sensor readings in variable conditions. Also, it allows a user to retrieve ISO cleanliness levels from a reservoir tank or a return line (200 psi max).
- ◆ **HY-TRAX Telematic Communications Module with Remote Controlled Sampling System:** This system provides Remote Visibility to the Fluid Condition of Critical Systems. It also integrates micro VFD (variable frequency drive) pump/motor provides optimal flow for accurate sensor readings. Fluid particle counts, temperature and water saturation (optional) are displayed on a customizable dashboard which can be accessed through the internet.



HMG4000



TMU

Hydraulic Diagnostic Tools | HMG4000 and TMU

- ◆ **HMG4000:** The HMG4000 data recorder is a portable unit for measurement and data capturing tasks involving hydraulic and pneumatic systems. The HMG 4000 can concurrently evaluate signals from up to 38 sensors.
- ◆ **TMU:** The TMU is a portable service unit and is designed for temporary measurement of solid particle contamination and water saturation in hydraulic systems. The unit allows for operation on reservoirs and high pressure control circuits. 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.

Fluid Conditioning | IXU, SVD01 and MFS



IXU

SVD01

MFS

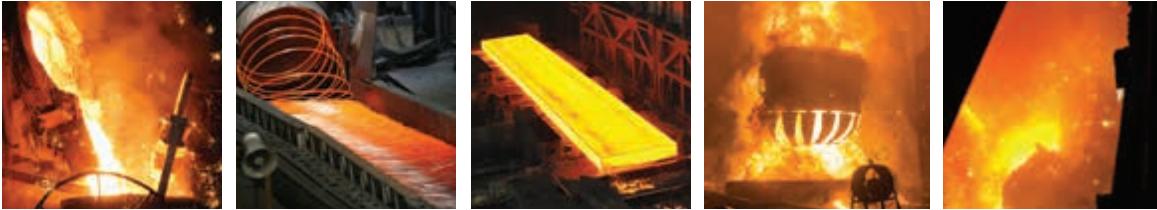
- ◆ **IXU:** An easy-to-service ion exchange unit used for conditioning fire resistant, HFD-R-based hydraulic and lubrication fluids. They effectively remove acidic products of decomposition caused by hydrolysis and/or oxidation of the fluid. Mobile or stationary IXU are available.
- ◆ **SVD01:** Using vacuum technology, the SVD01 can remove both free and dissolved water from the oil, as well as dissolved gases. In addition, solid contaminants are also removed by highly efficient membrane filter technology. The water sensor, standard on all units, shows the water saturation of the fluid. It has an automatic shutdown based on user setting of water saturation target and/or, optional ISO cleanliness level (when paired with optional TCM unit).
- ◆ **MFS:** A base-ported filter that provides easy element service from the top cap and a D5 Dirt Alarm® indicates when filter element needs changed. Modular base eliminates hoses between components and minimizes leakage

Schroeder Industries, an ISO 9001:2008 certified company, focuses on developing filtration and fluid service products for the steel industry. We are 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 combined with 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 micronic 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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Steel Making



We design solutions for steel making and for the success of our customers by:

- ◆ Optimizing the use of technology with applications for improved equipment performance
- ◆ Using an efficient, timely customization process to fill the specific needs of steel making
- ◆ Preserving our reputation for reliability and flexibility to meet the demands of the steel industry
- ◆ Expanding globally to support our customers and stay current with new technologies
- ◆ Leveraging and sharing our knowledge to meet challenges
- ◆ Nurturing a creative, cooperative culture committed 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 organization to supply contamination control technology or develop long-range pricing programs that can improve your company's bottom line.

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