

FILTRATION SOLUTIONS FOR

STEEL MAKING APPLICATIONS



Schroeder
INDUSTRIES
Advanced Fluid Conditioning Solutions®



RF3

AutoFilt® Automatic Backflushing Filters | Process Filtration

- ◆ Filtration of process water to protect the nozzles and pumps in high pressure descaling
- ◆ Water conditioning for cooling blast furnaces and rolling mills
- ◆ Emulsion filtration in hot and cold rolling mills
- ◆ Filtration of rolling emulsions

AutoFilt® Automatic Backflushing Filter | RF3

- ◆ Automatic backflushing function allows virtually uninterrupted filtration for increased efficiency and decreased maintenance requirements
- ◆ RF3 engineered for hard particulate materials including rust and sand
- ◆ Utilizes candle-style filter elements



RF14

AutoFilt® Automatic Backflushing Filter | RF14

- ◆ Automatic backflushing function allows virtually uninterrupted filtration for increased efficiency and decreased maintenance requirements
- ◆ Provides filtration for particulates as small as 10 microns
- ◆ Ideal for soft particulates like algae, organic material, fibers, cottonwood debris, and stringy materials
- ◆ Utilizes basket with suction scanning technology



FOF60

TF50

CF40

Servo Protection Filtration | FOF60

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

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

- ◆ 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.



Schroeder Elements



HY-TRAX[®] Manually Controlled Fluid Sampling System



HMG4000

FCU



IXU

TDS-E

MFD



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
- ◆ 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

Fluid Condition Monitoring Tools | HY-TRAX

- ◆ **HY-TRAX Manually Controlled Fluid Sampling System:** 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 allows a user to retrieve ISO cleanliness levels from a reservoir tank or a return line (100 psi max).

Hydraulic Diagnostic Tools | HMG4000 and FCU

- ◆ 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.
- ◆ FCU: A portable service unit 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 included with the FCU allow operation on reservoirs, control circuits, and high pressure circuits.

Fluid Conditioning | IXU, TDS-E and MFD

- ◆ IXU: An easy-to-service ion exchange unit used for conditioning fire resistant, HFD R-based hydraulic and lubrication fluids. Effectively removes acidic products of decomposition caused by hydrolysis and/or oxidation of the fluid. Mobile or stationary IXU are available.
- ◆ TDS-E: Uses vacuum technology to remove both free/dissolved water and dissolved gases from oil. In addition, solid contaminants are also removed by highly efficient membrane filter technology. An integrated water sensor 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).
- ◆ MFD: Mobile filtration cart with high capacity elements for particulate and/or free water removal. Clean up existing systems or prefiltering new oil. Optional condition monitoring for real-time fluid condition.

Compressed Air Filtration | CGF8

- ◆ CGF filter series provides cost-effective, robust compressed air filtration utilizing pleated microglass media construction for more reliable performance and greater capacity.
- ◆ Steel industry applications utilizing compressed air include operating instruments such as pneumatic conveyors and operating presses, blast furnaces, cooling, and coke production

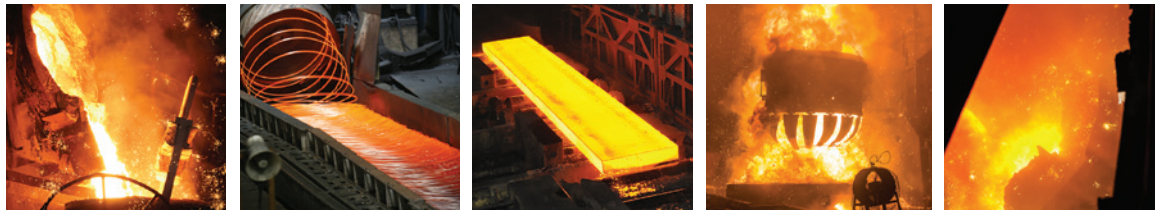
Schroeder Industries, an ISO 9001:2015 certified company, focuses on developing filtration and fluid service products for the steel industry. We are proud of our proven track record of providing quality products over the last sixty years. The designs you see inside are the result of thousands of hours 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.

FILTRATION SOLUTIONS FOR STEEL MAKING

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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.

Find Schroeder Distributors Near You!

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