

FILTRATION SOLUTIONS FOR PULP AND PAPER



Improved Reliability

Branded Solutions

Lower Maintenance Costs

Fluid Condition Monitoring Tools | *HY-TRAX*

- ◆ ***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.



HY-TRAX® Manually Controlled Fluid Sampling System

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

Hydraulic Diagnostic Tools | HMG4000 and Testpoints

- ◆ **HMG4000:** The HMG4000 data recorder is a portable unit for measurement and data capturing tasks involving hydraulic and pneumatic systems. The HMG4000 can concurrently evaluate signals from up to 38 sensors.
- ◆ **Test Points:** Schroeder Check Test Points provide a fast, easy, and safe way to test pressures up to 10,000 psi (680 bar) in hydraulic systems under operation. In addition, they can also effectively be used to obtain oil samples for subsequent testing or to bleed air from a hydraulic system.



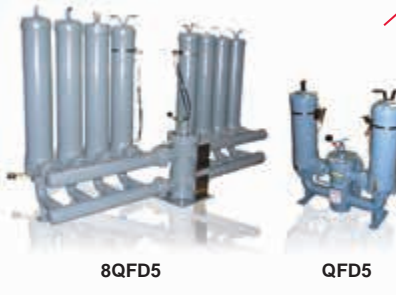
HMG4000



Testpoints

Duplex Filter | 8QFD5 and QFD5

- ◆ In-line filter rated for 500 psi and up to 400 gpm
- ◆ Element change-out from the top minimizes oil spillage
- ◆ Available with optional core assembly to accommodate coreless elements
- ◆ Porting options include ANSI and SAE flange
- ◆ Integral inlet and outlet test points come standard



8QFD5

QFD5

Base-Ported Filter | KF30 and GKF30

- ◆ High pressure filter rated for 3,000 psi and up to 150 gpm
- ◆ Can be installed in vertical or horizontal position
- ◆ Available with non-bypass option and high collapse element
- ◆ Offered with conventional sub-plate porting
- ◆ Same day shipment model available



KF30

GKF30

Fluid Conditioning | Triton-E and Triton-A

- ◆ Designed to eliminate 100% free and up to 90% of dissolved water from hydraulic fluids
- ◆ Uses a patented mass transfer process, which efficiently remove water and particulate contamination quickly in virtually all environments
- ◆ Extremely portable
- ◆ Available as 1.5 (Triton-A) and 15 gpm (Triton-E) versions



Triton-E

Triton-A

Automatic Self-Cleaning Strainers | RF3 and RF4



RF3

RF4

- ◆ **RF3:** The automatic self-cleaning strainers are used for extracting particulate contaminants. They have a special housing design that incorporates an array of filter elements. The special Slotted Tube and Super Mesh elements with pore sizes from 25 to 3000 micron 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 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



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.
- ◆ A superior pre-filter for Schroeder's Automatic Self-Cleaning Filter (RF3) or bag polishing filter.
- ◆ 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.

Schroeder Bestfit® Element with Private Label Branding Available



Schroeder Elements

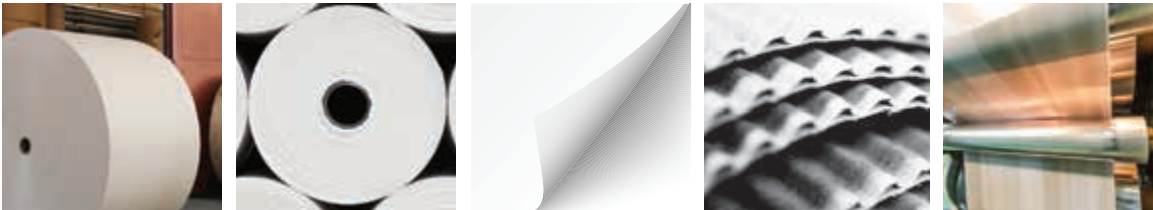
- ◆ Affordable filtration solution that can be used in a wide variety of applications
- ◆ Cartridge and Spin-on styles available
- ◆ Variety of media grades (cellulose, synthetic, water removal, anti-stat)
- ◆ Available for private label branding
- ◆ Over 40,000 cross references on the website

Schroeder Industries, an ISO 9001:2008 certified company, focuses on developing filtration and fluid service products for the pulp and paper 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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Pulp and Paper



We design solutions for the pulp and paper industry 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 pulp and paper
- ◆ Preserving our reputation for reliability and flexibility to meet the demands of the paper 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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