

PROCESS FILTERS

Product Line Overview



Easy-to-Control
Systems

Increased
Process Reliability

Reduced
Operating Costs

Lower Maintenance
Efforts & Costs

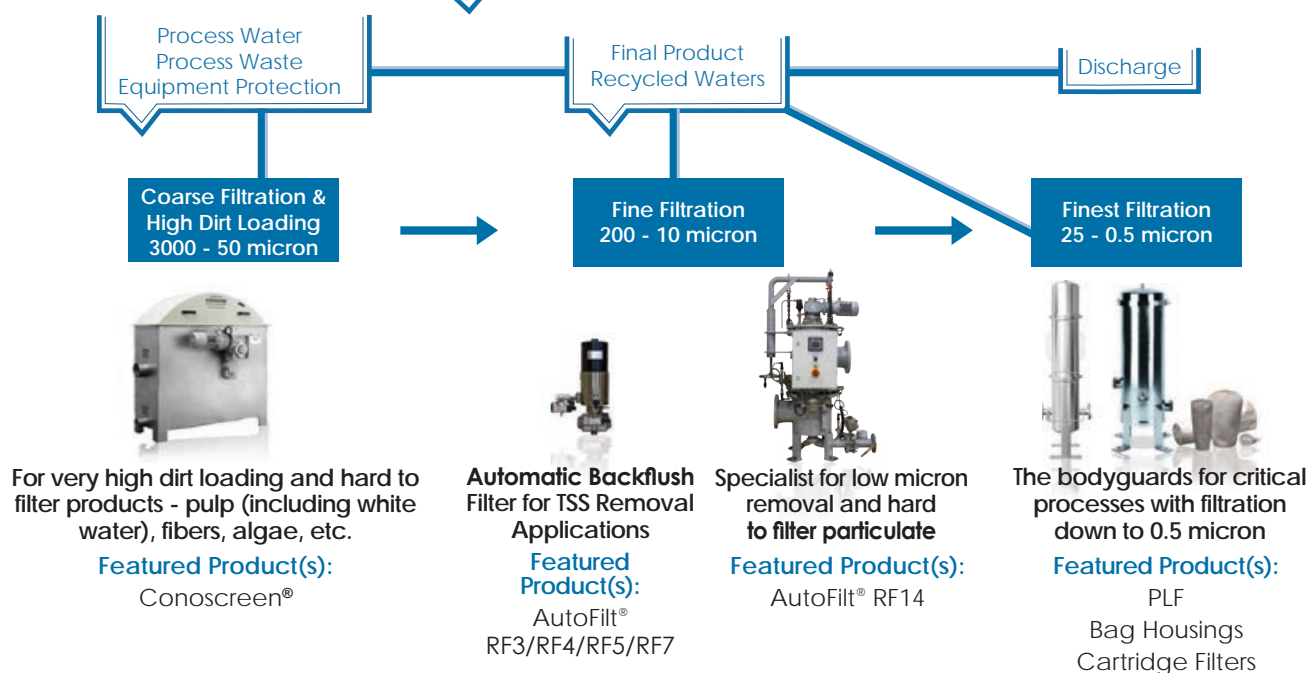


Trust the Experts of Process Filtration

The importance of filtration in treatment processes such as process water, wastewater discharge, or reuse is critical. Moving liquids or gases from somewhere like a refinery, food/beverage, steel, automotive, pulp and paper or oil produced water application requires pre-filtration due to high amounts of suspended solids in these typical applications. In fact, there are typically several filtration and treatment steps in these applications to ensure that the treated water meets the required discharge or reuse standard. In addition, filtration in treatment schemes ensures reduced operating cost on downstream polishing treatment systems.

Schroeder Industries focuses on your process and delivers reliability and improvements. We understand that your water source, specific application and downstream equipment is imperative in releasing the overall information required to provide our customers with the optimized filtration solution. Poor filtration can cause a degradation of your final product or failure of downstream equipment. This can cause hundreds of thousands or even millions of dollars in downtime or wasted product. Schroeder Industries is here to partner with you to insure reduced maintenance and high quality filtration designed specifically for your application. **If it flows, Schroeder has the filtration solution!**

Intake Water Process

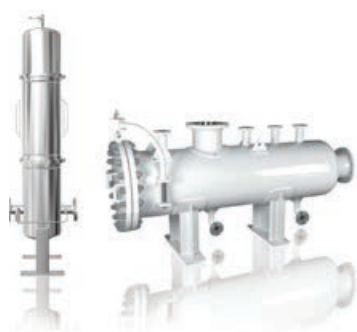


Our Products:



RF3, RF4, RF7 and RF14 AutoFilt® — Automatic Backflushing Filters

- ◆ Separation of solid particles from low viscosity fluids
- ◆ Filtration ratings from 10 µm to 3,000 µm
- ◆ Increased efficiency with automation features
- ◆ Performance enhanced by isokinetics
- ◆ Safety assured by proven technology and experience
- ◆ RF3 Flow Rates: Up to 40,000 gpm
- ◆ RF4 Flow Rates: Up to 120 gpm
- ◆ RF7 Flow Rates: Up to 33,000 gpm
- ◆ RF14 Flow Rates: Up to 17,000 gpm



PLF1 and PLF2 — Inline Filters

- ◆ Separation of solid particles from low viscosity fluids
- ◆ Suitable for applications with the highest purity requirements
- ◆ Filtration ratings from 1 µm to 90 µm

ConoScreen® —

- ◆ Better filtration quality from the conical disks
- ◆ Higher flow rate due to the exclusive and patented ConoScreen® technology allows for filtering large amounts of water
- ◆ The larger amount of held material leads to a better filtering mesh self-cleaning, as a result of the friction



nuove energie
technological thinking



PRFS — Inline Filters

- ◆ Ideally suited to long-term operation
- ◆ Cleanable filter materials
- ◆ Used as coarse filter or pre-separator
- ◆ Also available as a change-over duplex filter



Bag & Cartridge Housing & Elements —

- ◆ Suitable for a wide variety of filtration applications requiring high temperature and operating pressure
- ◆ Available in mesh, felt, meltblown microfiber and spunbound media
- ◆ Filtration ratings from 0.5 μm to 1,000 μm
- ◆ Various collar-ring types available



Watch on
YouTube!

Rolling Media Filtration —

- ◆ Provides a highly efficient and reliable means of removing solids from process liquids
- ◆ This filter is a non pressurized system which is economical and easy to operate
- ◆ Fully automatic system that ensures efficient cleaning of any process fluid. It optimizes the amount of media used at the same time.



RO Elements —

- ◆ Our Seawater RO Membranes provide industry leading salt rejection (99.89%)
- ◆ Our brackish water RO membranes serve various municipal and industrial applications
- ◆ High desalination rate, High flow and Contamination-resistant



ATF — Automatic Twist Flow Strainer

- ◆ Copes easily with high contamination loads
- ◆ Degree of separation associated with a centrifuge combined with defined filtration ratings
- ◆ No transfer of contamination to the clean side
- ◆ Flow rates up to 1,750 gpm



High Pressure Filter —

- ◆ Pressures up to 30,000 PSI
- ◆ Stainless Steel construction
- ◆ Able to filter to 1 μm
- ◆ Available with or without bypass



Gas Filtration —

- ◆ Effective filtration of process gases and protection of downstream system components, e.g. Dry Gas Seals
- ◆ Particulate, coalescing and pre-filtration models available
- ◆ Filtration units available for most compressed gases
- ◆ Highly defined filtration performance and contamination retention capacity



To learn more about Process Filters,
visit [schroederindustries.com/
process-filtration](http://schroederindustries.com/process-filtration)



PROCESS FILTERS

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Conservation of resources through the use of automatic filters

Filtration is usually one of the most important steps in multi-stage treatment processes, since it has a crucial impact on the operating efficiency of the main treatment and after-treatment processes further downstream.

Through the use of Schroeder's AutoFilt® series, system operators and the environment benefit equally from:

- Cleanable filter materials
- Improved service life for system components further downstream
- Lower energy consumption
- Increased process reliability
- Guaranteed quality

Certified environmental management

As resources are limited, sustainability is a global challenge. Energy efficiency is an important step towards greater sustainability in stationary and mobile technology.

Schroeder Industries has spent years developing intelligent and energy-efficient product and system solutions to help you make your operations sustainable.

This allows you to save natural and financial resources in the long term.

Using energy efficiently is only one way to increase sustainability. Other important methods are increasing service life and optimizing new and existing plants.

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



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Schroeder
INDUSTRIES
Advanced Fluid Conditioning Solutions®
PROUDLY MANUFACTURED IN THE UNITED STATES