

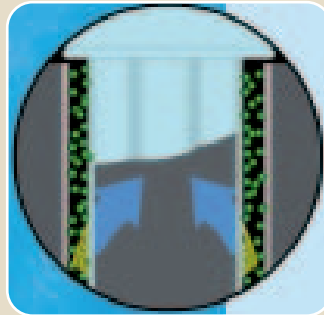
Since 1948, when we introduced the first tubular filters to the papermaking industry, Ronningen-Petter has continued to innovate with backwashing/tubular systems to reduce waste, improve process efficiency, and increase product quality.

Today we offer a full line of backwashing/tubular solutions to meet your specific application demands and business needs. From the high-capacity AFR-Series for high flow in a compact footprint, to our simple single-tube AFC-Series systems for stand-alone applications with low solids loading, there's a Ronningen-Petter solution for any process. All Ronningen-Petter filters are engineered for the best possible performance and value in every application.

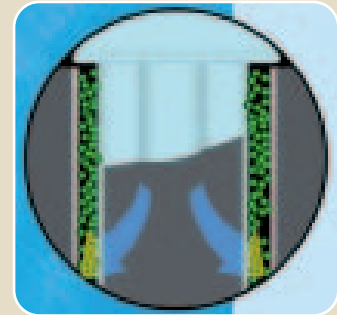
An industry-leading family of solutions from Eaton

Barrier filtration and backwash cleaning: the basics

All Ronningen-Petter backwashing/tubular filters operate on a common philosophy of barrier filtration. Filtration media – either stainless steel or a fabric screen supported by a stainless steel backing – selected for its retention and flow properties is located within the filter housing.



Process liquids flow into the housing at the inlet at its base and pass across the filter media from the outside inward. Because of this flow path, contaminants collect on the outside of the filter element slowly forming a cake, removing smaller particles.



During backwash (triggered by time or pressure differential), a valve switches one station's flow from the inlet header to the drain header to facilitate reverse flow. Liquid is run in reverse through the system to remove contaminants from the media. Contaminants and cleaning fluid are expelled through the drain header at the base of the unit.

Ronningen-Petter Backwashing/Tubular Advantages

Feature	Benefit
Tight retentions (as low as 1 micron) with high flow rates	Ideal for a wide range of process liquids and parameters
Eliminates the need for disposable media including bags and cartridges	Reduced disposal costs, materials loss, labor, and inventory
Choice of configurations	Available solutions to optimize your system for almost any filtration challenge
Modular scaleable systems	Your system can grow with your application demands
Automated clean-in-place operation	Optimizes cleaning frequency and reduces labor demands
Wide range of operating pressures	Capable of reliable operation and performance up to 1,000 psi (69 bar)