

# SCHROEDER FILTRATION: UNMATCHED IN THE MINING INDUSTRY.



RF3

## Automatic Backflush Filter | RF3

- ◆ Self-cleaning, backflushing system for extracting particles from low viscosity fluids
- ◆ Ideal for filtering source water on site
- ◆ Continuous filtration even during backflushing
- ◆ Automatic backflushing capability reduces operating & maintenance costs
- ◆ Slotted tube filter elements available in 25 to 3000 µm
- ◆ Virtually maintenance free



ATF

## Automatic Twist Flow Strainer | ATF

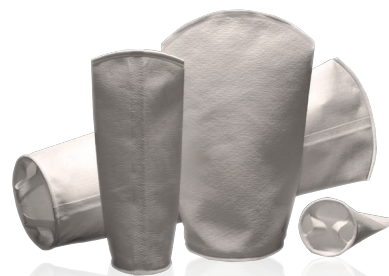
- ◆ Self-cleaning, backflushing filter for filtering high levels of solid particles from water using cyclonic action
- ◆ Ideal for pre-filtration/separation before RF3/RF4, membrane systems; filtration of surface/sea water, process water and wastewaters
- ◆ Continuous filtration even during backflushing
- ◆ Slotted tube elements available in ratings from 200 to 3000 µm
- ◆ Continuous filtration even during backflushing
- ◆ Virtually maintenance free



DBH

## Duplex / BH Single - Bag Housings | DBH

- ◆ 304 or 316 Stainless Steel Construction
- ◆ Available in a range of sizes and micron ratings
- ◆ Extremely high dirt-holding capacity
- ◆ Economic Filtration Solution
- ◆ Various connection sizes available



## Schroeder Bag Elements

- ◆ Fully welded seam construction eliminating needle holes and fiber bypass
- ◆ Integrated handles for ease of use
- ◆ Available in mesh, felt, meltblown microfiber and spunbond media
- ◆ 1 - 1,000 micron ratings
- ◆ Various collar-ring types available



MSB

## Longwall Shield Replacement Elements | MSB

- ◆ Provides superior protection for the valves on the shields
- ◆ Quality media construction results in lower pressure drop
- ◆ Proven Schroeder quality
- ◆ Factory & field support dedicated specifically to the mining industry



SBF

## BestFit® Replacement Elements | SBF

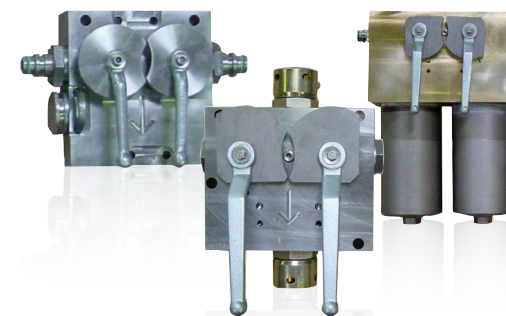
- ◆ Over 31,000 cross references on website
- ◆ Made with superior Excellement® synthetic (Z) Media®
- ◆ Available also with cost effective paper (E) Media
- ◆ Cartridge & spin-on styles available



LW60

## Longwall Filter | LW60

- ◆ Custom, patented design for high viscosity 95/5 fluids
- ◆ Steel construction; stainless steel bypass; no aluminum
- ◆ Horizontal alignment allows straight-through flow, maximizing flow efficiency and minimizing ΔP
- ◆ 2-inch BSPP porting, easily adaptable to Super Stecko fittings
- ◆ Provides superior protection for the valves on the shields
- ◆ 6000 psi (400 bar) / 300 gpm (1135 L/min)
- ◆ Utilizes new Excellement-MD (for mining applications) media specifically designed for high face flow velocities



RFH

## Shield Backflush Filter | RFH

- ◆ Designed for filtering water-based fluids in longwall shields where backflush capability is required
- ◆ Stainless steel and brass construction
- ◆ Dual stage backflushing filter using filtered water allows uninterrupted operation
- ◆ 5076 psi (350 bar) / up to 210 gpm (800 L/min)
- ◆ Super Stecko fitting connections
- ◆ Control options include manual, hydraulic and electro-hydraulic
- ◆ Larger internal passages result in minimal pressure drop
- ◆ Maximum filter element ΔP is 5076 psi (350 bar)
- ◆ Virtually maintenance free



### Manufacturing and Testing

Schroeder Industries' corporate headquarters is located in Leetsdale, PA (USA) with an additional manufacturing facility in Cumberland, MD (USA). Filter housings and diagnostic and specialty products are manufactured at our Pittsburgh plant, while filter elements are manufactured in our Cumberland plant. Both facilities have the skilled workforce and the capacity to meet our customers' needs. Schroeder's research and development center as well as our contamination control laboratory are located at our corporate headquarters.



## FILTRATION SOLUTIONS FOR MINING

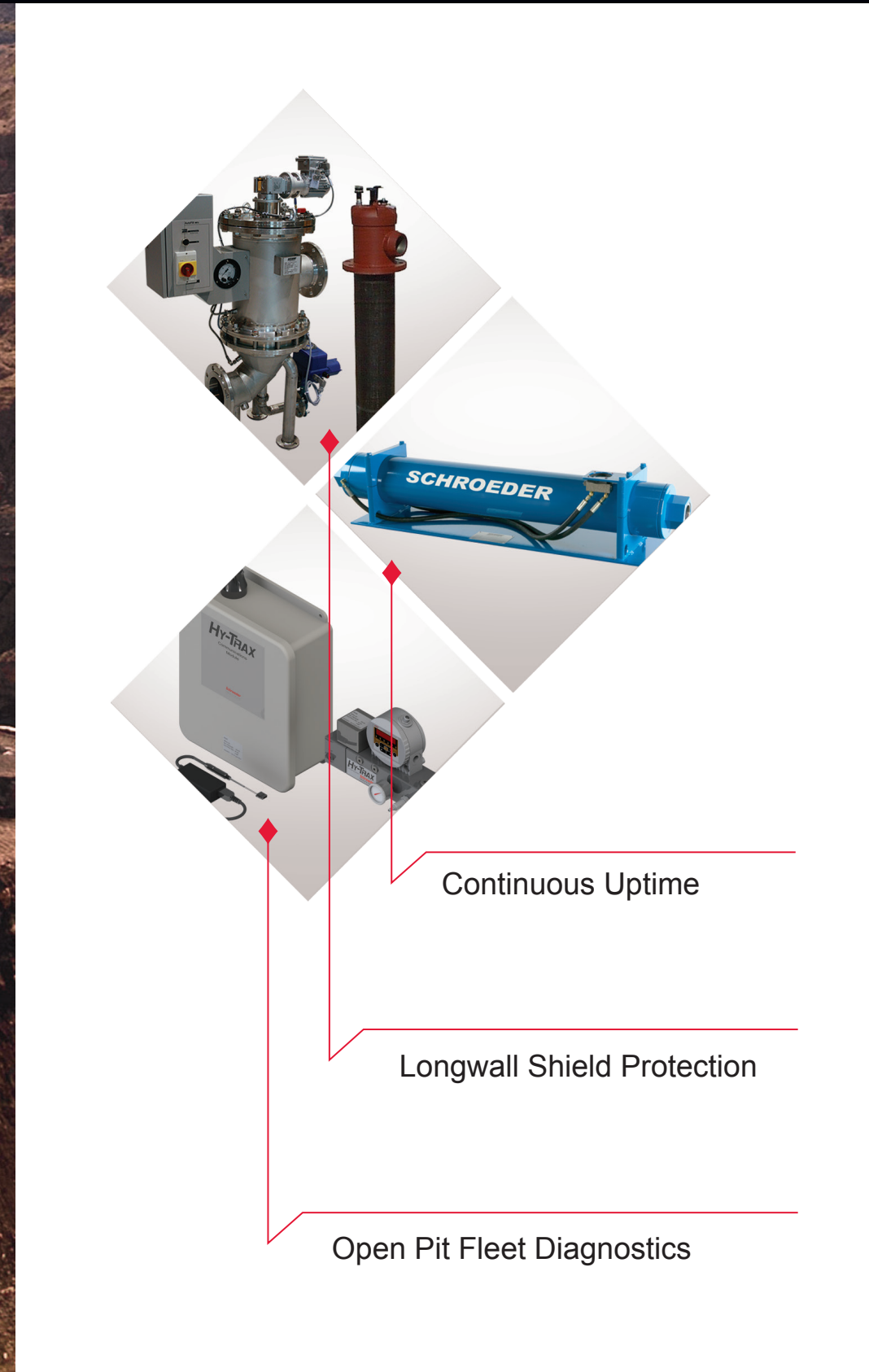
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## FILTRATION SOLUTIONS FOR MINING



### PPS Pit Purification Solution

- ◆ Portable unit provides staged filtration for cleaning water systems
- ◆ Consists of ATF, RF3 and Duplex Bag Housings
- ◆ Water passes through series of filters for progressive filtration
- ◆ Final bag filtration is easily changed to micron rating of choice
- ◆ Optional Q size filter available for additional level of filtration

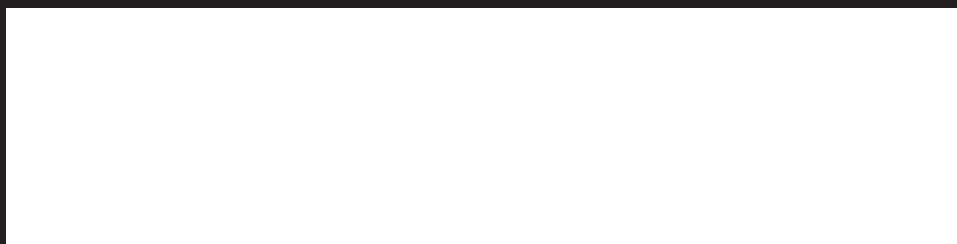


Continuous Uptime

Longwall Shield Protection

Open Pit Fleet Diagnostics

For more information, please contact [sisales@schroederindustries.com](mailto:sisales@schroederindustries.com)



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