

# Automatic Self-Cleaning Filter - RF3

## Introduction

Schroeder's Automatic Self-Cleaning Filter (RF3) is a back-flushing system for extracting particles from low viscosity fluids such as water and machine tool coolants. Particle contamination in fluids accelerates the rate of wear on system components such as spray nozzles, valves, and pipelines which results in premature component failure. The RF3 is ideal for applications where fluid flow cannot be interrupted and must be constantly maintained at an acceptable cleanliness level. With eleven sizes and dozens of options, there is an RF3 filter for almost any application.

## Features

- Fully automatic operation
- Uninterrupted flow during filtration
- Superior self-cleaning functionality
- No consumable parts such as elements
- Low pressure drop
- Virtually maintenance free
- Low operating costs

## Specifications

Flow Rates: 20 gpm - 33,000 gpm

Filtration Micron Ratings: 25 m - 3,000 m

Max Operating Pressure: 150 psi standard

Filter Housing Material: Carbon steel  
Stainless steel

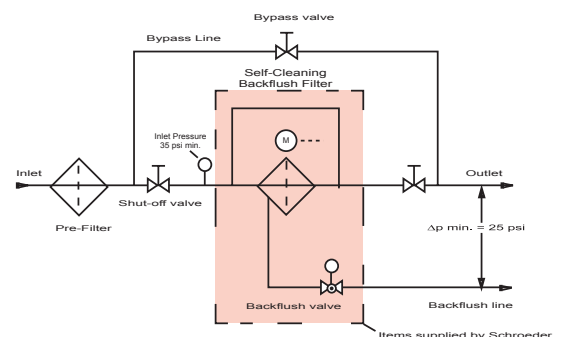
Corrosion Protection for Epoxy Phenolic,  
Carbon Steel Vessel: Vulcanized rubber coating

Connection Flange Sizes: 2" - 36"

Filter Elements: Stainless steel

Control Systems: Electric - Pneumatic,  
All Electric,  
All Pneumatic

Max Operating Temperature: 194°F



## Applications:

- Spray nozzle protection and scale removal
- Re-circulating machine coolant
- Cooling towers and heat exchangers
- Ion exchange and reverse osmosis pre-filter
- Flocculent make-up water
- Mining feed water

**Schroeder**  
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