

Multi-Media Sand Filter (MMF)

Sediment Removal

ROTEK Auto-control Filter with Multi-Media Sand as the filtration media is designed to deliver exceptional performance by utilizing high-quality components. It is engineered for longevity and energy efficiency.

This Multi-Media Sand Filter (MMF) efficiently removes impurities from water by passing it through a bed of quartzite sand with varying gradations. Installing a Sand filter is recommended when the water's turbidity load is high, causing water quality issues and deposits on pipelines, boilers, taps, and appliances.

ROTEK Multi-Media depth filters are specifically designed to remove particles that are 5-15 microns in size or larger. The filtration media used in our filters is carefully selected based on particle size, ensuring that the media retains its stratification during the backwash and rinse processes.

To eliminate trapped contaminants within the filter bed and maintain its efficiency, an automatic backwashing system is incorporated. This system effectively removes the trapped contaminants and washes them down the drain.



Advantages

■ Turbidity Removal

The Multi-Media Sand Filter excels in turbidity removal, ensuring clear water by removing suspended particles effectively.

■ Automatic or Manual Control Valves are available

The Auto-control Sand Filter offers both automatic and manual control valve options for flexible filtration needs.

■ Designed to achieve High Flow Rate

The Auto-control Sand Filter is designed to achieve a high flow rate while maintaining efficient filtration performance.

■ Low Maintenance Required

With its efficient design and high-quality components, the filter only requires minimal maintenance, saving time and resources.

Specifications

| Model | Media Volume | Flow Rate | Control Valve | In/Outlet | Tank Dimension |
|------------|--------------|-----------|---------------|-----------|----------------|
| MMF-1054-A | 50L | 1000LPH | F67P1 | 1" | 10" x 54" |
| MMF-1354-A | 70L | 2000LPH | F67P1 | 1" | 13" x 54" |
| MMF-1465-A | 100L | 3000LPH | F67P1 | 1" | 14" x 65" |
| MMF-1665-A | 120L | 4000LPH | F67P1 | 1" | 16" x 65" |
| MMF-1865-A | 150L | 5000LPH | F134A1 | 1.5" | 18" x 65" |
| MMF-2162-A | 200L | 6000LPH | F134A1 | 1.5" | 21" x 62" |
| MMF-2472-A | 300L | 8000LPH | F134A1 | 1.5" | 24" x 72" |
| MMF-3672-A | 600L | 15,000LPH | F75B1 | 2" | 36" x 72" |
| MMF-4872-A | 1000L | 25,000LPH | F112B1 | 2.5" | 48" x 72" |



Silica Sand
0.1 - 0.7 mm



Small Gravel
3 - 8 mm



Mid Gravel
5 - 10 mm



Large Gravel
12 - 19 mm

Product Material:

Control Valve: Auto-control / Manual

Tank: Glass-fiber reinforced polyethylene

Treating material: Silica Sands (Quartz)
+ Gravels

Working Conditions:

Max working pressure 6 BAR

Min working pressure 2 BAR

Max working temperature 50°C