



Progressive Water Treatment, Inc.

COMMERCIAL/INDUSTRIAL/MUNICIPAL

Media Filters-Suspended Solids Removal

SERIES: MMF – 1” Through 6” IPC

20” Through 120” Diameter

PWT MEDIA FILTRATION SYSTEMS

Media filters are used to remove particulate matter from water. There are several types of media filters, including gravity and pressure filters. Multimedia filtration is a well-established technology and is a standard system used in water treatment..



Inlet water is introduced into the upper freeboard of the filter. Water flow is from top to bottom. The bed is typically several feet deep and consists of layers of various grades and types of media. Media are selected for the feed water characteristics and are specified in the Equipment List. The primary zone of filtration is the top third of the bed. The most important characteristic of the media filter is that filtration occurs within this primary zone. Filtration is not just a surface filtration, but also an in-bed filtration. This characteristic of filtration offers a number of advantages.

Standard production units consists of 100 lbs. working pressure FRP tanks (up to 63” x 72”), and steel tanks (66”D and above), tested to 150 lbs. On larger units, there will be five low pressure drop valves used to perform the steps of backwashing, fast rinse and service.

STANDARD FEATURES

- ✓ Automated units
- ✓ 100 PSI FRP or Carbon Steel tanks
- ✓ Top mount Control Valves (up to 48”D tanks)
- ✓ Actuated PVC Ball or SST Disc Butterfly Valves (54”D tanks and up)
- ✓ Schedule 80 PVC Internal and External Piping
- ✓ Inlet/Outlet SST Pressure Gauges

OPTIONAL FEATURES

- ✓ ASME Code Construction and stamp
- ✓ Manual Systems
- ✓ Explosion Proof Controls
- ✓ PLC /HMI Controls
- ✓ Hot water/Steam Sanitizable Units
- ✓ Carbon Steel, or Stainless Steel Internal/External Piping
- ✓ Service and/or Backwash Flow Sensors
- ✓ DP gauge, DP Switch or transmitter

BUILDING RELATIONSHIPS FIRST AND EQUIPMENT THAT LASTS

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