

### Applications Water Treatment

- Turbidity Removal
- Potable Water
- Algae Removal
- TSS reduction

### Applications Wastewater Treatment

- Clarifier Polishing
- DAF Polishing
- Low Solids <100 ppm
- Cooling Tower
- Refinery Units
- Feedwater Treatment
- Groundwater Cleanup

### Related Items for System Completion

- Backwash Tanks
- Backwash Pumps
- Feed Pumps
- Chemical Dosing
- Air Scour Backwash
- Metal Precipitation
- pH Control
- Main Control Panels
- Special Medias
- Mn Greensand Media
- Oil Sorbent Medias
- Activated Carbon Media
- IX Medias
- Oil Water Separator
- Clarifiers
- Effluent Instruments
- Effluent Recording

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## The MMF — Multi Media Filter

The Applied Mechanical Technology Multi Media Filter system is capable of efficiently removing solids particles from water/wastewater by means of filtration using high performance filter medias. The MMF Multi Media Filter is designed using proven industry standards of sizing and Hydraulic Loading Ratios (HLR) from 2 to 9 gpm / square foot of filter area. The high performance filter media is a specially classified quartz and silica media meeting AWWA B 100 specifications. Other specialty high performance medias are available for special applications.

The MM Filter is designed as a fully automatic self backwashing filter that senses when the filter is loaded and performs a turbulent media fluidizing backwash to cleanse the media. Backwash trigger point, cycle times, frequency and duration are all operator adjustable to ensure high performance in a variety of operating conditions. Backwash can also be enhanced with air scouring to bust up mineral crust buildup, or with acid or chemical enhanced backwash to deep clean the media and remove oily residues or dissolve iron and hardness scale. The MM Filter is modular in design with each skid separate that can be mated with any number of cells to form the entire filter.

### APPLIED MECHANICAL TECHNOLOGY—A WORLD CLASS SUPPLIER

Applied Mechanical Technology is a *FULL SERVICE* supplier to the water / wastewater industry. We not only design and build the core technology of our systems and equipment but we also install, optimize, startup, train operators and service them too. If you need a simple oil water separator—or a complete industrial wastewater system, Applied Mechanical Technology has the resources to help you!

### Value by Design—High Performance and Low Cost

