UNI-TECH MULTI-MEDIA FILTERS

STANDARD FEATURES:
- Single Unit Flows up to 577 gpm
- Epoxy Lined Steel Tanks with 100 psig Design Pressure
- Top Mounted Manway
- Schedule 80 PVC Hub and Lateral Distributors
- Factory Assembled Diaphragm Valve Nest
- Steel External Piping
- Electro-mechanical Backwash Controller

ADVANTAGES:
- Materials and Coatings Selected to Withstand Corrosive Environments
- Reliable, Low Restriction Valves
- Distributors Allow Operation Over Wide Flow Rate Range
- Standard Designs Reduce Cost and Delivery Time
- Simple Operation Reduces Operator Training Requirements

OPTIONS:
- ASME Code Vessel
- Stainless Steel, Copper, PVC, or Galvanized External Piping
- Stainless Steel, Polypropylene, Steel, or CPVC Internal Piping
- Differential Pressure Switch
- Air Scour
- Sub-Surface Wash
- Sightglasses
- Pre-piped and Wired Systems Mounted on Skid
- Manual Unit Isolation Valves
- Interconnecting Piping Between Multiple Units
- Allen Bradley PLC

For Options Not Listed Here Please Contact Res-Kem

Res-Kem Uni-Tech Multi-Media Filters are available in a wide range of self-contained packages configured in single, double, and multiple unit arrangements to remove sediment, turbidity, color, and suspended particles. Consisting of multiple layers of sand, anthracite, and garnet, Res-Kem Uni-Tech Multi-Media Filters remove sediment down to the 10 micron range.

Res-Kem Uni-Tech Multi-Media Filters are used for municipal, institutional, and industrial water filtration applications. Single units are rated for flows up to 577 gpm. For larger flow rates, contact Res-Kem to determine whether larger or multiple units would be appropriate.

Economical and efficient, Res-Kem Uni-Tech Multi-Media Filters can be equipped for manual, semi-automatic, or full-automatic operation. Regardless of the configuration, only limited technical expertise is required for operation. Res-Kem Uni-Tech Multi-Media Filters will integrate into a complete water treatment system without expensive custom field engineering and programming.

Dual 66” Multi-Media Filter System with Standard Diaphragm Valves and Steel Piping

FEATURES AND SPECIFICATIONS

Model Prefix	Vessel Diameter inches	Flow Rate Normal Rating gpm	Flow Rate Hi-Rate Rating gpm	Flow Rate Minimum Backwash Flow gpm	Inlet/Outlet Pipe Sizes Normal Rating inches	Inlet/Outlet Pipe Sizes Hi-Rate Rating inches	Approximate Dimensions Single Unit L x D x H inches	Approximate Dimensions Duplex Unit L x D x H inches
MMF20	20	6.5	33	33	1	1 ½	30x32x81	56x32x81
MMF24	24	15	47	47	1 ½	1 ½	34x36x81	62x36x81
MMF30	30	25	74	74	1 ½	2	40x42x85	78x42x85
MMF36	36	35	106	106	1 ½	2	46x48x85	90x48x85
MMF42	42	45	144	144	2	2 ½	52x54x87	102x54x87
MMF48	48	63	189	189	2	3	56x50x91	114x50x91
MMF54	54	80	239	239	2 ½	3	64x66x91	126x66x91
MMF60	60	98	294	294	3	3	70x72x93	138x72x93
MMF66	66	119	357	357	3	4	76x78x95	152x78x95
MMF72	72	142	425	425	4	4	82x84x95	164x84x95
MMF78	78	166	498	498	4	6	88x90x95	176x90x95
MMF84	84	192	577	577	4	6	94x96x95	188x96x95

Flow Rate Specification Bases: (For your specific water source, contact Res-Kem for estimates)

Normal flow rating: 5gpm/ft²

Hi-Rate flow rating: 15gpm/ft²

Backwash Flow Rate: 15gpm/ft² Minimum (May be higher for your specific water source)

Features	Standard	Optional
System Design and Operation		
Steel Pressure Tank with Epoxy Lining	◆	
Steel Pressure Tank with High Temperature Epoxy, or Baked Phenolic Lining		◆
Stainless Steel. Fiberglass, or Galvanized Steel Pressure Tank		◆
ASME Code Vessel Construction		◆
PVC Hub and Lateral Distribution and Internal Piping	◆	
CPVC, Polypropylene, Steel, or Stainless Steel Internal Piping		◆
Cast Iron Diaphragm Valves	◆	
Steel External Piping	◆	
Copper, PVC, Galvanized Steel, or Stainless Steel External Piping		◆
Manual System Isolation Valves		◆
Subsurface Wash		◆
Skid Assembly for Multiple Units		◆
Interconnecting Piping for Multiple Units		◆
Instrumentation and Controls		
Time Clock with Stager Controller	◆	
Manual, Semi-Automatic, or Full-Automatic Controls		◆
Differential Pressure Gauge or Switch		◆
Inlet and Outlet Pressure Gauges		◆
NEMA 4XFG Electrical Enclosure	◆	
Allen Bradley Programmable Logic Controller		◆
Backwash Initiation Methods		
Timer	◆	
Manual	◆	
Differential Pressure Switch		◆

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