

## MF SERIES

Coated steel vessels featuring side mount Task Master IV 5-cycle valve in super flow configuration. Commonly used in applications requiring robust equipment and larger sizes.

### APPLICATIONS

- Boiler Feed Water
- Food Processing
- Petrochemical
- Cooling Towers
- Power Plants
- Carwashes & Laundrymats
- Prisons
- Schools & Universities
- Hotels, Apartment Complexes, & Casinos
- Pharmaceuticals & Hospitals

### STANDARD FEATURES

- Inlet/Outlet: 1-1/2", 2", 3", 4"
- Task Master IV - Five Cycle 316SS Valve
- ERCT Electronic Timer
- Carbon Steel Mineral Tanks - 100psi
- Galvanized Steel Face Piping
- PVC Internals
- Multipoint ABS Distributors
- Accumatic Brine System
- WK-100 Cation Resin - 8% DVB Crosslink
- 110V 60Hz, Single Phase

### OPTIONAL FEATURES

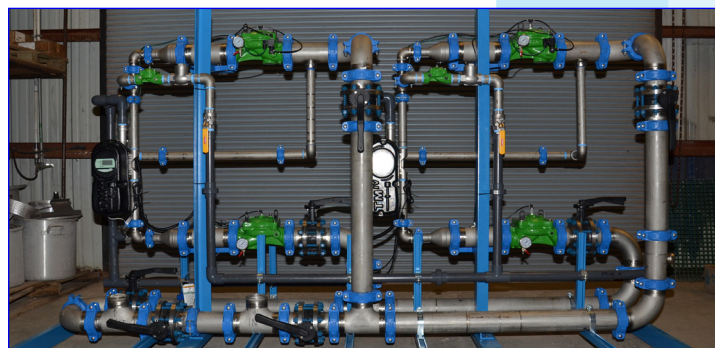
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|---|------------------------------------|--|
| ASME Code Vessels                         | Shut Off Kit                       | 10% DVB Crosslink Resin                      |
| High Pressure / High Temperature          | Skid Mounting                      | Centurion III Lead Lag Control               |
| Single, Twin, Triplex, Quad Mineral Tanks | Pipe Racks                         | Custom PLC Options                           |
| 304 / 316 Stainless Steel Face Piping     | Demand Regeneration                | Brine Reclaim                                |
| 304 / 316 Stainless Steel Internals       | PW 1-1/2", 2", 3" Flow Meter 316SS | Hydraulic or Pnuematic Operated Pilot Valves |
| Stainless Steel Valves                    | Signet Flow Meter w/ Saddle        |  |
| Pressure Gauge and Test Tap Kit           | Graded Gravel Bed                  |  |



## Performance

Model	Mineral Tank Dia x SS	Resin Vol	Capacity	Brine Tank Dia x Ht	Salt Storage	Salt Per Regen	1-1/2" Cont [Peak] Flow	2" Cont [Peak] Flow	3" Cont [Peak] Flow	4" Cont [Peak] Flow	BW Rate
	in	cu ft	kgr	in	lbs	lbs	gpm	gpm	gpm	gpm	gpm
MF-150	20x54	5	153	24x50	710	66	48 [63]	94 [130]	-	-	10
MF-180	20x54	6	180	24x50	710	66	47 [62]	88 [124]	-	-	10
MF-210	20x54	7	210	24x50	710	66	46 [61]	83 [117]	-	-	10
MF-240	24x54	8	245	24x50	640	106	50 [65]	102 [139]	154 [220]	-	15
MF-270	24x54	9	270	24x50	640	106	49 [65]	99 [135]	152 [218]	-	15
MF-300	24x60	10	293	24x50	640	106	49 [65]	96 [132]	207 [283]	-	15
MF-450	30x60	15	432	30x50	900	145	52 [68]	115 [154]	191 [270]	-	25
MF-600	36x60	20	594	39x50	2000	204	54 [70]	124 [164]	225 [308]	-	35
MF-750	36x72	25	731	39x50	2000	244	54 [70]	120 [160]	211 [291]	257 [365]	35
MF-900	42x72	30	837	42x60	2370	274	-	129 [169]	249 [337]	328 [455]	50
MF-1200	48x72	40	1170	50x60	3360	388	-	133 [173]	264 [353]	357 [488]	60
MF-1500	48x72	50	1500	50x60	3000	510	-	131 [170]	253 [341]	335 [462]	60
MF-1920	54x72	64	1920	60x60	4800	559	-	134 [174]	267 [355]	362 [490]	70

- Continuous flow at 15 psi head loss. Peak flow at 25 psi head loss. Flow rates are shown per tank.
- Operating Conditions: 25 to 100 psi; 100°F Max Temperature
- Other sizes and configurations are available. Contact Water King for assistance.



## PROVEN IN PRACTICE



