



# ENGINEERING SPECIFICATIONS

	63MAQ 53MAQ	63BEQ* 53BEQ	63MXQ 53MXQ	63MDQ 53MDQ	62AMQ 52AMQ	**62APQ*** 52APQ	62AKQ 52AKQ	62AJQ**** 52AJQ
Tannin (ppm)	0	0	0	0-2	0	0	0	0
Sulfur (ppm) - SulfurStat	0	0	0	0	0	0-5**	0	0
Iron (ppm) - ferrous - clear water ●	0	0	12	0	12	2-12**	15	5
Maximum Compensated Hardness	90	90	110	90††	90	90	90	60
Maximum Chlorine (ppm)	1	3	0	0	0	0	0	0
Minimum pH	NA	NA	7	7	7	7	7	6.3
Filtration - nominal rating (microns)	20	25	20	20	20	20	20	20
#1 Salt - 5850 grains per lb of salt (lbs./capacity)	1/5,850	1/5,850	1.6/9,360	NA	1/5,850	NA	NA	NA
#2 Salt - 5163 grains per lb of salt (lbs./capacity)	2.7/13,890	2.7/13,890	4.2 /21,680	NA	2.7/13,890	NA	NA	2.7/13,890
#3 Salt - 4679 grains per lb of salt (lbs./capacity)	6.2/28,730	6.2/28,730	9.6/44,840	8.5/28,730	6.2/28,730	6.2/28,730	6.2/28,730	6.2/28,730
#4 Salt - 3828 grains per lb of salt (lbs./capacity)	9.3/35,300	9.3/35,300	14.4/55,090	10.7/35,300	9.3/35,300	9.3/35,300	9.3/35,300	9.3/35,300
Media Amount Compartment #1	1.5 lbs.	2.0 lbs.	1.5 lbs.	1.5 lbs.	NA	NA	NA	NA
Media Amount Compartment #2	Empty	.4 cu.ft.	.6 cu.ft.	.3 cu.ft.	6 lbs.	27 lbs.	.4 cuft.	.4 cu.ft.
Media Amount Compartment #3	1.06 cu.ft.	1.06 cu.ft.	1.06 cu.ft.	1.06 cu.ft.	1.06 cu.ft.	1.06 cu.ft.	1.06 cu.ft.	1.06 cu.ft.
Drain Line Flow Control (gpm)@ min. water presure	2.4†	3†	2.4†	2.4†	5†	Empty***†	7†	7†
Brine Line Flow Control Refill (gpm)	.5	.5	.5	.5	.5	.5	.5	.5
Water Pressure (min-max psi)	20-120	20-120	20-120	20-120	20-120	30-120	30-120	30-120
Flow Rate @ 25 psi drop	19.5	19.5	17	17	23	19.6	19.6	20.5
Flow Rate @ 15 psi drop‡	11	13	10.5	10.5	11.2	10.6	10.6	12.5
Pressure Drop @ Flow Rate Of 4 gpm	6.5 psi	8.5 psi	8.5 psi	8.5 psi	3.2 psi	6 psi	6 psi	7 psi
(#1 Salt setting) total length of reg. Min / gal	12/13.5	12/16	12/13.5	NA	12/24	NA	NA	NA
(#2 Salt setting) total length of reg. Min / gal	18/16.5	18/19	26/20.5	NA	18/27	NA	NA	23/70
(#3 Salt setting) total length of reg. Min / gal	38/26.5	38/29.5	58/36.5	47/31	38/37	44/80	44/80	44/80
(#4 Salt setting) total length of reg. Min / gal	56/35.5	56/38	74/44.5	64/39.5	58/56	61/89	61/89	61/89
Shipping weight (lbs.)	135	152	168	152	140	167	160	180
Bacteriostatic - KDF® Process Media - Listed With The U.S. EPA As A Bacteriostatic Device. U.S. EPA #54369-OH-001	YES	YES	YES	YES	YES	YES	YES	YES

Media Tank Size I.D. 11.4 X 33,  
O.D. 13.3 X 36  
Distributor Size I.D. 1 1/4"  
Valve Inlet/Outlet 1"  
Drain Line (Minimum I.D.) 1/2"  
Water Temperature (Min-Max) 40-120° F  
Height (Inches) 38 1/2"  
Floor Space (Inches) 15 X 30  
‡ Flow rate for Tank and Valve only is  
17 gpm @ 15 psi drop

- Iron Reduction To .3 ppm Or Less.
- When Adding Media In The Field, Check For Proper Settings (See Specifications Above.)
- Regeneration Every 96 Hours Is Required When Iron Is Present In The Raw Water Supply. Use Salt Setting #3 Or #4.
- \* Municipally Supplied Chlorinated Water Only.
- \*\* Must Have A Minimum Of 2 ppm Iron and a Minimum of 200 ppm TDS.
- \*\*\*Unit Has No Backwash Flow Control Button Or Retainer. Must Have A Minimum Of 7 gpm @ 30 psi Available For Proper Backwash.

\*\*\*\*Calcite Will Add Additional Hardness To Water Before Softening.

† Rate Of Flow Must Be Verified At The End Of 1/2" ID Drain Line.

†† Any Hardness Over 10 GPG Will Increase The Chance Of Calcium Carbonate Precipitation. As The Hardness Increases So Does The Chance Of This Precipitation. Must Use Citric Acid To Regenerate Along With Salt.