



ENGINEERING SPECIFICATIONS

50 & 60 SERIES

	53MAQ [⊛] 63MAQ [⊛]	53BEQ [⊛] 63BEQ [⊛] *	53MXQ [⊛] 63MXQ [⊛]	53MDQ 63MDQ	52AMQ [⊛] 62AMQ [⊛]	52APQ [⊛] 62APQ [⊛] ** ***	52AKQ 62AKQ	52AJQ 62AJQ ****
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)	0	3	0	0	0	0	0	0
Minimum pH	7	7	7	7	7	7	7	6.3
Filtration - nominal rating (microns)	20	25	20	20	20	20	20	20
#1 Setting - Salt lbs./Grains removed	1.1/5,900	1.1/5,900	1.6/8,400	NA	1/5,200	NA	NA	NA
#2 Setting - Salt lbs./Grains removed	3.2/16,300	3.2/16,300	4.2/20,000	NA	2.7/11,900	NA	NA	2.7/11,900
#3 Setting - Salt lbs./Grains removed	6.2/26,700	6.2/26,700	9.6/38,700	8.5/23,100	6.2/23,100	6.2/23,100	6.2/23,100	6.2/23,100
#4 Setting - Salt lbs./Grains removed	9.5/32,500	9.5/32,500	14.4/49,300	10.7/30,300	9.3/30,000	9.3/29,800	9.3/30,300	9.3/30,300
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 cu.ft.	.4 cu.ft.
Media Amount Compartment #3 <small>Fine Mesh Cation Resin</small>	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.
Backwash Rate (gpm) @ min. water pressure-Max. flow to drain	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 <small>As tested by Hague</small>	19.5	19.5	17	17	23	19.6	19.6	20.5
Flow Rate @ 15 psi drop <small>As tested by Hague</small>	11	13	11	11	11	11	11	12.5
Pressure Drop @ Service Flow Rate Of 8 gpm	11 psi	11 psi	12 psi	12 psi	9 psi	10 psi	10 psi	11 psi
(#1 Salt setting) total length of reg. Min / gal	12/14.3	12/17	12/13.5	NA	12/24	NA	NA	NA
(#2 Salt setting) total length of reg. Min / gal	18/17.5	18/20.1	26/20.5	NA	18/27	NA	NA	23/70
(#3 Salt setting) total length of reg. Min / gal	38/28.1	38/31.3	58/36.5	47/31	38/37	44/80	44/80	44/80
(#4 Salt setting) total length of reg. Min / gal	56/37.6	56/40.3	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 <small>(Not certified by WQA)</small>	YES	YES	YES	YES	YES	YES	YES	YES

Use clean white pellet or solar salt.
 Valve Inlet/Outlet 1"
 Drain Line (Minimum I.D.) 1/2"
 Water Temperature (Min-Max) 40-120° F
 Height (Inches) 38-1/4"
 Floor Space (Inches) 15" X 30"
 Salt storage capacity: 200 lbs, 90kg
 Brine & Rinse total: .65 gpm
 Brine Draw : .25 gpm
 Rinse: .4 gpm
 Electric rating: 115V, 60 cycle.
 Iron reduction to .3 ppm or less. (Not certified by WQA)
 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.

***This model 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" I.D. drain line.

††Any hardness over 10 gpg will increase the potential for Calcium Carbonate precipitation. As the hardness increases, so does the potential for this precipitation. Must use citric acid to regenerate along with salt.

⊛ Models 63MAQ, 63BEQ, 63MXQ, 62AMQ, 62APQ, 53MAQ, 53BEQ, 53MXQ, 52AMQ and 52APQ are certified by WQA. All other models are not certified and tested by WQA.