



## ProMate 1 Specifications

Model			PM1-024	PM1-032	PM1-032-10	PM1-048	PM1-064
Factory Regeneration Settings							
Cycle 1	Fill	Minutes	3.0	4.0	4.0	6.0	8.0
		Gallons	1.5	2.0	2.0	3.0	4.0
Cycle 2	Softening	Minutes	120	120	120	120	120
		Gallons	0	0	0	0	0
Cycle 3	Backwash	Minutes	8	8	8	8	8
		Gallons	10.4	13.6	17.6	17.6	25.6
Cycle 4	Brine Dr DN	Minutes	60	60	60	60	68
		Gallons	13.8	16.2	16.2	19.2	38.8
Cycle 5	Rinse	Minutes	4	4	4	4	4
		Gallons	5.2	6.8	8.8	8.8	16.8
Cycle 6	Optional						
Total Regen Gallons			30.9	38.6	44.6	48.6	85.2

\*Calculations are based on factory low salt setting @ 35 psi

Refill Lbs / Minutes	Lbs. Min.	Lbs. Min.	Lbs. Min.	Lbs. Min.	Lbs. Min.
Efficient salt @ 3.3 LBS	2.5/1.7	3.3/2.2	3.3/2.2	5.0/3.4	6.6/4.4
<b>Low Salt @ 6.0 LBS</b>	<b>4.5/3.0</b>	<b>6.0/4.0</b>	<b>6.0/4.0</b>	<b>9.0/6.0</b>	<b>12/8.0</b>
Medium Salt @ 10 LBS	7.5/5.0	10/6.7	10.0/6.7	15.0/10.0	20/13.5
High salt @ 15 LBS	11.3/7.5	15/10.0	15/10.0	22.5/15.0	30/20.0

Capacity - Efficiency					
Efficient - 4200 grains/lb	10,000	13,200	13,200	20,000	26,400
<b>low Salt - 3800 grains/lb</b>	<b>17,100</b>	<b>22,800</b>	<b>22,800</b>	<b>34,200</b>	<b>45,600</b>
Medium Salt - 2800 grains/lb	21,000	28,000	28,000	42,000	56,000
High Salt - 2100 grains/lb	23,730	31,500	31,500	47,250	63,000

Service Flow Rates					
Continuous @ 10 psi loss	9.8	10.1	11.3	10.5	14.2
Peak @ 15 psi loss	13.1	13	14.5	14.1	18.2

Flint Underbed (Lbs)	8 lbs	11 lbs	14 lbs	14 lbs	20 lbs
High Capacity Resin (Cu. Ft.)	0.75	1	1	1.5	2
Resin Tank Size	8X44	9X48	10X44	10X54	12X52
Recommended Brine Tank Size	18X33	18X33	18X33	18X40	18X40
Min/Max salt setting in Lbs	3/17	3/17	3/17	3/26	3/26
** Grid Height	NA	NA	NA	NA	NA
Salt Storage Capacity lbs	275	275	275	412	412
BLFC on Valve	YES	YES	YES	YES	YES
Safety Brine Valve	474	474	474	474	474
BLFC at Brine Tank	NO	NO	NO	NO	NO
Brine Line Size	3/8"	3/8"	3/8"	3/8"	3/8"
DLFC (gpm)	1.3	1.7	2.2	2.2	3.2
BLFC (gpm)	0.5	0.5	0.5	0.5	0.5
Injector Size	VIOLET	RED	RED	WHITE	YELLOW
Injector Draw Rate @ 35 psi (gpm)	0.18	0.21	0.21	0.25	0.44
Injector Slow Rinse Rate @ 35 psi (gpm)	0.23	0.27	0.27	0.32	0.57
Factory Meter Setting (for single unit)	850	1,125	1,125	1,700	2,275
Size of connections					
Inlet / Outlet	1"	1"	1"	1"	1"
Drain line	3/4"	3/4"	3/4"	3/4"	3/4"
Brine Line	3/8"	3/8"	3/8"	3/8"	3/8"
Recommended minimum pipe size					
Drain Line	3/4"	3/4"	3/4"	3/4"	3/4"
Brine Line	3/8"	3/8"	3/8"	3/8"	3/8"
Shipping Weight (includes pallet)					
Stock Code Number					

\*\* High Salting may require different grid height and/or larger brine tank

**Factory default setting are shown in bold**

Recommended minimum pipes sizes are copper pipe equivalent, when using PEX increase one nominal size

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