

Hellenbrand[®]

Water Softening

ProMate 1 Series

SOFT WATER YOU CAN DEPEND ON









ProMate[®] **1**
WATER CONDITIONING SYSTEM

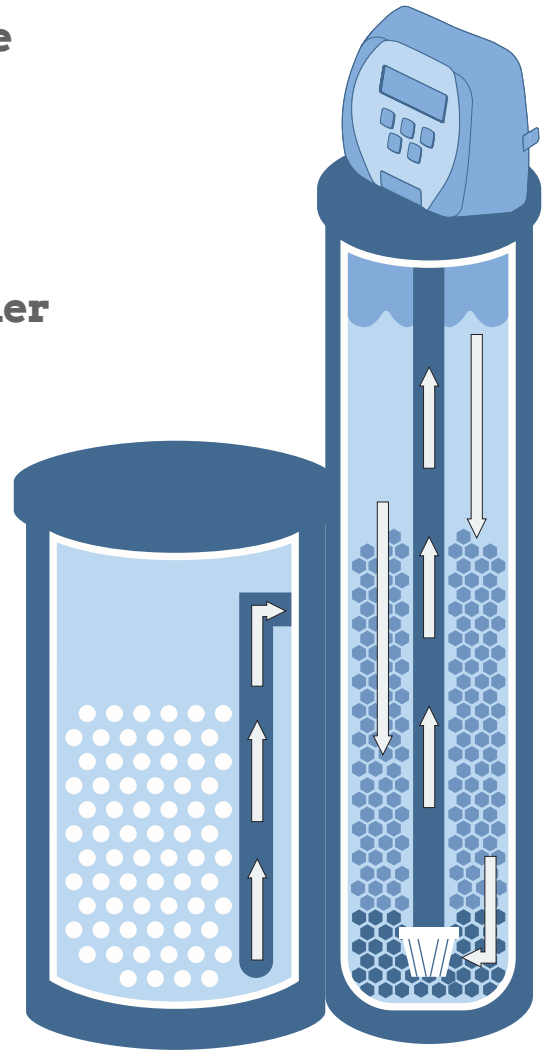


Essential Water Softening for Your Home

The ProMate 1 removes calcium, magnesium and hardness minerals leaving your water softer and cleaner. Soft water saves you money.

Benefits of ProMate 1 Series Water Softener

-  Extends the life of your water using appliances
-  No more spotty dishes
-  Makes clothing, whiter, brighter and less scratchy
-  Protect pipes and plumbing fixtures
-  Cleaner fixtures, stain-free sinks, tubs and showers
-  Save up to 70% on soap and water usage from hard water removal





Hellenbrand

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
Low Salt @ 6.0 LBS	4.5/3.0	6.0/4.0	6.0/4.0	9.0/6.0	12/8.0
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
low Salt - 3800 grains/lb	17,100	22,800	22,800	34,200	45,600
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

Hellenbrand products are not for sale or distribution into the State of California effective 8/21/18.

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5/13/19



Residential Water Softener & Filter Limited Warranty

INCLUDES – ProMate®, ProMate-1®, ProMate-5®, ProMate-6®, ProMate-6 DMT®, ProMate-6.5 DMT®, ProMate-7.0®, PROMATE-7.1 DMT®, ProMate®-EcoMax, ProMate®-EcoMax Duo and E6
EXCLUDES – Iron Curtain®, Iron Curtain® Jr. and Storm Filter Systems

Hellenbrand warrants to the original consumer purchaser that the System and the parts listed below will be free from defects in material and/or workmanship from the date of the original installation for the following time periods:

For a Period of FIVE YEARS: The filter control valve electrical parts including the motor and board, control valve body, and internal parts.

For a Period of TEN YEARS: Mineral tanks, 6" Diameter - 13" Diameter.

For a Period of FIVE YEARS: Mineral tanks, 14" Diameter - Up.

For a Period of FIVE YEARS: The salt storage/cabinet tank.

For a Period of ONE YEAR: The entire water conditioner system ("System").

Any parts used for replacement are warranted for the remainder of the original warranty period for the applicable part.

THIS WARRANTY IS EFFECTIVE TO THE ORIGINAL CONSUMER PURCHASER ONLY, AND ONLY FOR AS LONG AS THE SYSTEM REMAINS AT THE ORIGINAL INSTALLATION SITE. COVERAGE TERMINATES IF YOU SELL OR OTHERWISE TRANSFER THE SYSTEM OR IF THE SYSTEM IS MOVED FROM THE ORIGINAL INSTALLATION SITE.

No sales representative, distributor, agent, dealer, reseller, authorized seller or any other person or entity is authorized to make any other warranty, or modify or expand the warranty provided herein on behalf of Hellenbrand. Upon expiration of the applicable warranty period, Hellenbrand shall have no further liability related to the System/parts to which the warranty period applies, except with respect to valid warranty claims asserted during the appropriate warranty period.

If the System or any part described above becomes defective within the specified warranty period, you should notify your local authorized seller of Hellenbrand products, and arrange a time during normal business hours for the inspection of the System at the original installation site. You may also contact Hellenbrand and we will provide you with the contact information for your local authorized seller of Hellenbrand products. Hellenbrand, at its option, will repair or replace the System or any part found defective within the terms of this warranty. You are responsible for freight from our factory and any service fees charged by the local authorized seller of Hellenbrand products for installation, repair, removal, replacement, service, etc., of any System or parts. This warranty does not include any labor charges. This paragraph sets forth the exclusive remedy for any valid warranty claims against Hellenbrand.

THIS WARRANTY DOES NOT COVER defects caused by sand, sediment or bacteria fouling, accident, fire, flood, Act of God, misuse, misapplication, neglect, alteration, installation or operation contrary to Hellenbrand's printed instructions, or installation, repair or service by anyone other than Hellenbrand or an authorized seller of Hellenbrand products.

IN ADDITION, THIS WARRANTY DOES NOT COVER UNPROTECTED OUTDOOR INSTALLATIONS. This System, including all of the electrical components, must be protected against windblown dust, falling and windblown rain, freezing temperatures and the formation of ice, with an appropriate enclosure consisting of a floor, roof, walls, ventilation and heat.

As a manufacturer, we do not know the characteristics of your water supply or the purpose for which you are purchasing this system. You should be aware that the quality of water supplies may vary seasonally or over a period of time, and that your water usage rate may vary as well. Water characteristics may change considerably if this System is moved to a new location. For these reasons, Hellenbrand assumes no liability for the determination of the proper equipment necessary to meet your needs; and Hellenbrand does not authorize others to assume such obligations for Hellenbrand.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, REMEDIES FOR DEFECTS OR FAILURES ARE LIMITED TO THE REMEDIES PROVIDED IN THIS WARRANTY. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ANY WARRANTIES ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR FROM USAGES OF TRADE, ARE LIMITED IN DURATION TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

UNDER NO CIRCUMSTANCES SHALL HELLENBRAND BE LIABLE TO THE ORIGINAL CONSUMER PURCHASER OR TO ANY OTHER PERSON FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER LOSS, DAMAGE, OR EXPENSE OF ANY KIND, INCLUDING LOSS OF PROFITS, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, IN TORT OR OTHERWISE, AND REGARDLESS OF WHETHER HELLENBRAND WAS AWARE OF THE POSSIBILITY OF SUCH LOSS. THESE LIMITATIONS WILL APPLY REGARDLESS OF ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Similarly, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Hellenbrand products are not for sale or distribution into the State of California effective 8/31/18.