BrassMaster Plus+

Water Softening Systems

High-capacity treatment of:

- Water hardness
- Iron*

Features

- Electronic control module
- Superior iron removal capacity with turbulator
- Greater capacity and flow rate performance
- Metered operation for precise salt efficiency
- Exclusive 5 year APM™ warranty
- 5 year tank warranty

Hardness, comprised of calcium and magnesium (along with iron), is commonly found in both public and private water systems. BrassMaster water softening systems use the process of “ion exchange” to effectively remove these undesirable minerals.

*Excessive iron concentrations may require additional equipment
*See official warranty

LEAD FREE UPC

BP27, BP35, BPT27, BPT35, BPT48, and BPT60 are certified by IAPMO R&T against NSF/ANSI 44, NSF/ANSI/CAN 61, and NSF/ANSI/CAN 372

Performance Data Sheet

These units are certified by IAPMO R&T to NSF-44 standards, including optional salt and water efficiency standards

bsi ISO 9001 Quality Management Systems CERTIFIED

BrassMaster Plus+ Water Softening Systems

Nearly all serviceable parts lie within the removable/ replaceable APM™ module. This eliminates costly and time consuming field repairs.

Specifications	Cabinet Models		Two-Tank Models			
	BP27	BP35	BPT27	BPT35	BPT48	BPT60
Max Flow Rate (gpm)[1]	10.4	11	8.5	11.4	10.8	12.3
Backwash Rate (gpm)	2.0	2.0	2.0	3.5	3.5	5.0
Cubic Feet of Media	0.87	1.10	0.87	1.10	1.30	2.00
Standard Capacity (grains)	10,684	14,344	11,332	14,344	16,962	26,070
Standard Capacity Salt Setting (lbs)	3.16	4.00	3.16	4.00	4.73	7.27
Maximum Capacity (grains)[2]	27,289	43,503	27,289	34,503	40,776	62,733
Max Iron Capacity (ppm)	4	4	4	4	4	4
Mineral Tank Dimensions (in)	9 x 35	10 x 35	8 x 44	10 x 44	10 x 47	13 x 54
Brine Tank Dimensions (in)	14 x 21	14 x 21	18 x 33	18 x 33	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs)	200	200	300	300	300	300
Overall Height (in)	44	44	54	54	57	64
Inlet / Outlet Pipe Size[3] (in)	1	1	1	1	1	1
Inlet / Outlet Height (To Center) (in)	37	37	46	46	49	56
Pipe Centers (in)	2	2	2	2	2	2
Approx. Shipping Weight (lbs)	85	90	85	100	115	170

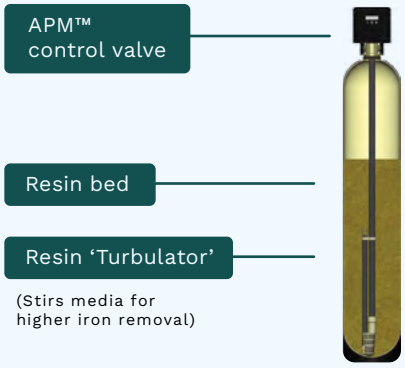
[1] Flow rate at 15 psid.
[2] The capacity rating is based on a salt setting of 15 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF 44 and the claim is coming from manufacturer's internal testing only. This setting does not meet salt or water efficiency requirements as defined by NSF/ANSI 44.
[3] Standard unit features 1" NPTF connection. Other connection configurations are available. Contact WCC for additional information.

* System operating pressure is 20 psi minimum and 100 psi maximum.
* System operating temperature is 40°F minimum and 110°F maximum.

How it works

BrassMaster Plus water softeners utilize the "ion exchange" process to remove undesirable hardness minerals. Incoming water passes through a bed of cation resin, where hardness is exchanged for very tiny amounts of sodium. Periodically, after a specified amount of hardness has been exchanged, a salt solution is used to "regenerate" the resin bed. Captured hardness minerals, along with excess salt solution, are sent to drain. This leaves behind a recharged bed of resin, ready again for service.

Primary components



NOTE: This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.

This system and installation must comply with local and state laws and regulations.

Efficiency rated water softeners shall have a rated salt efficiency of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 g of total hardness exchange per kilogram of salt) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating.

Efficiency is measured by a laboratory test described in NSF/ANSI 44; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.

Efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation

* WCC recommends the use of clean, pellet salt.

7150 143rd Ave NW
Ramsey, MN 55303

www.watercontrolinc.com
1-866-405-1268