

BRASSMASTER PLUS+



Iron Filter Installation / Operation Manual



BrassMaster and BrassMaster Plus Technical Video Library:
<https://watercontrolinc.com/residential-technical-support/residential-technical-videos>
BrassMaster technical videos demonstrate how to set up or remove the control module.
Replacement control modules are available at <https://watercontrolinc.com/residential-technical-support/>

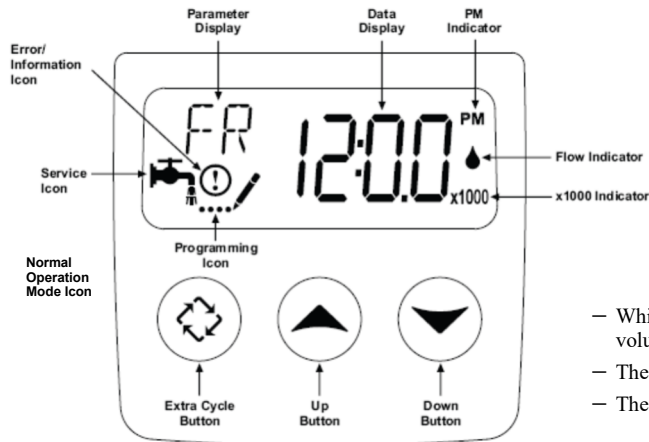
Installation Procedure

1. **Identify installation location.** MEGAbite piping should originate shortly after incoming water supply shutoff, but just after any outside water lines, such that all water intended for interior use flows through MEGAbite first. *IMPORTANT: there must not be any filters installed upstream of the MEGAbite, or insufficient water pressures may affect operational performance.* This system and installation must comply with state and local laws and regulations.
2. **Connect water piping.** This unit has been supplied with a manually operated bypass device which enables it to be isolated from the water service lines for maintenance and service, and also maintain the continuity of the water supply when the MEGAbite is disconnected. *IMPORTANT: Make all sweat-solder connections within 6 inches of the unit before applying threaded fittings to supplied bypass valve. Overheating may cause damage to valve.* Turn supplied bypass valve to “Bypass” position and make connections to household water lines. Leave unit in “Bypass” position until startup procedure.
3. **Connect drain line.** Remove barbed or push-to-connect drain line fitting from parts bag. Apply thread seal tape to threads and turn into the female threaded opening on the back side of the control valve. Connect 5/8” drain line (supplied in parts bag) to barbed or push-to-connect end of drain line fitting and run to a nearby drain. *IMPORTANT: It is highly recommended that a hose clamp be used to secure tubing to barbed drain fitting (if applicable) to ensure tubing from being removed during elevated pressure situations.*
Be sure not to submerge drain line end into drain, as a 1-1/2” minimum air gap must be maintained to prevent potential backflow hazard. Firmly secure at drain, while maintaining a minimum 1-1/2” air gap (See detailed drawing on back side of piping diagram).
4. **Connect to electrical power source.** Connect power cord to a separate 120v, 15 amp, ground fault interrupt (GFI) outlet.

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

Start-Up Procedure

Placing unit into service



- While in service, the Data Display alternates between time of day, volume remaining or days to regeneration.
- The Flow Indicator flashes when outlet flow is detected.
- The Faucet Icon flashes if a regeneration cycle has been queued.

IF THERE IS A UTILITY SINK NEARBY

- **Flush the MEGAbite filter with water:** Locate utility sink cold water faucet tap and open it. If there is a water softener installed downstream of the MEGAbite, close its bypass valve until this step is completed. Slowly open MEGAbite bypass valve and let water run to the open faucet tap until it runs clear. This will flush any media residual from the filter and prepare the unit for service. Re-open water softener bypass (if installed).

ALTERNATE METHOD: IF THERE IS NO UTILITY SINK NEARBY

- **Pre-soak MEGAbite filter media:** Press and hold the extra cycle button for 5 or more seconds and release. “BW” should appear on screen. After approx.. 30 seconds, a count down timer will appear on the screen. Press extra cycle button again to advance unit. “BR” should appear on screen. In approx. 30 seconds, a count down timer will appear on the screen. Again, press extra cycle button. “RR” will appear on screen. After approx. 30 seconds, a count down timer will appear on the screen. Slowly open bypass valve to “service” position. Allow “RR” cycle to run through completion. Note that water will begin to run out of drain line as filter unit becomes filled.
- **Flush the MEGAbite filter with water:** When the “RR” cycle has completed, wait approx.. 2 minutes for unit to advance back into service mode (faucet symbol will appear on screen). At this point, press and hold extra cycle button for 5 or more seconds and release to advance unit to “BW” mode. After approx. 30 seconds, water will begin to flow from drain line. Note that water may appear dirty/discolored for several minutes. This is normal as media fines are flushed out. Allow water to flow to drain until discoloration is gone (water is clear). Use extra cycle button to advance unit back into service mode (faucet symbol appears on screen). Note that you’ll need to pass through “BR” and “RR” cycles (with approx. 30 seconds between cycles for valve to advance).

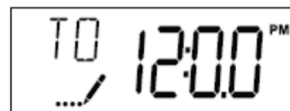
RUN A COMPLETE REGENERATION

- **Regenerate the MEGAbite filter:** After flushing is complete, press and hold extra cycle button for 5 or more seconds and release. Allow the system to run a complete regeneration and return to service.

Start-Up Procedure (continued)

Setting current time of day

Setting Current Time / Day



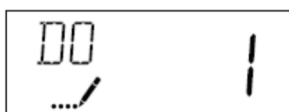
1. Press either the Up or Down buttons to adjust current time of day by one digit. Push and hold either up or down set button to adjust current time of day display by several digits.

User programming

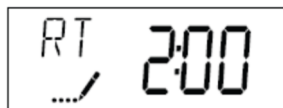
User Programming Mode Options		
Abbreviation	Parameter	Description
DO	Day Override	The timer's day override setting
RT	Regeneration Time	The time of day that the system will regenerate.

User Programming Mode Steps (Refer to chart above for user mode indications)

1. Press the Up and Down buttons for five seconds while valve is in service. Display will enter programming mode. (Note: Timer will discard any changes and exit programming mode if any button is not pressed for sixty seconds.



2. **Set Day Override:** This setting specifies the maximum number of days between regeneration cycles. System will regenerate regardless of usage if the days since last regeneration cycle equals the day override setting. This ensures regular regeneration periods. *The pre-programmed factory recommended setting is 2 days. Additional recommendations, based on iron levels, are shown on page 5 of manual.*



3. **Adjust Regeneration Time:** Press the Extra Cycle button to advance to next option. This setting determines the time of day that the unit will enter the regeneration cycle. The most common / default setting is 12:30 AM. *IMPORTANT: this regeneration time should be offset from any water softener's regeneration time by at least 2 hours to insure adequate regeneration pressure.*

Control programming is now complete. Press the extra cycle button, and the control will exit from the programming mode and resume normal operation.

MEGAbite Service

It is recommended to clean the injector, screen and inlet check valve every 6 months to ensure proper system operation.

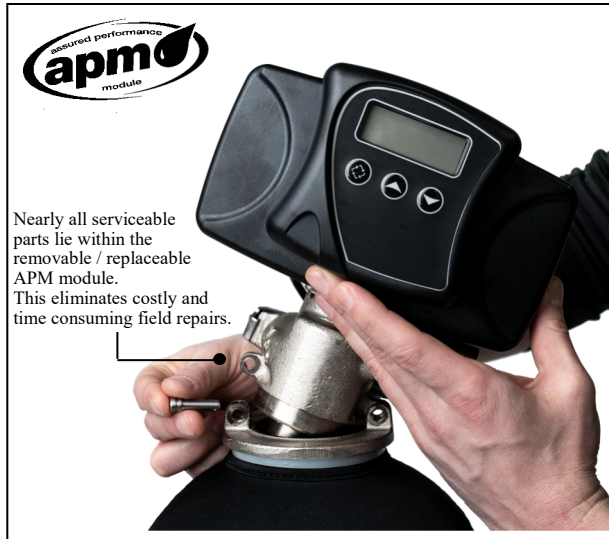
From time-to-time, your iron filter's air injection screen can become plugged with lint and debris. This results in poor filter regeneration, which (in-turn) can lead to poor filtration performance. Another infrequent issue can be the malfunction of the water inlet check valve, due to fowling with dirt and debris.

Cleaning and unplugging a dirty air injector or an inlet check valve is an easy process. For a detailed instructional video, please visit: <https://watercontrolinc.com/residential-technical-videos/>

Recommended Iron Filter Regeneration

Iron Content PPM	Recommended Day Override
0-3	3 Days
4-5	2 Days
6+	1 Day
Factory Default Set for 2 Days	

Maintenance / Warranty Information



All BrassMaster and BrassMaster Plus water softeners / filters feature the Assured Performance Modular (APM) design. If you experience a failure of any valve component, the brass module can be easily removed and replaced.

Reference the BrassMaster and BrassMaster Plus Technical Video Library on our website (link is provided below) for detailed steps on how to remove the module. The required (downloadable) form to have your module replaced is also located at this site. Please contact your dealer or WCC for module support.

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Replacement control modules are available at <https://watercontrolinc.com/residential-technical-support/>

For factory module support contact:
WCC (Water Control Corporation)
7150 143rd Ave NW • Ramsey, MN 55303
Phone: 1-866-405-1268 • Fax: 763-427-5665
www.watercontrolinc.com

Official Warranty

Water Control Corporation

BrassMaster Plus Series Water Softeners / Filters

Limited Warranty

Water Control Corporation warrants the control valve to be free of manufacturers defects for a period of 5 (five) years from the date of installation, and the fiberglass reinforced mineral tank, and plastic brine tank, to be free from leaking due to manufacturers defects for a period of 5 (five) years. We will, at our discretion, repair or replace defective products. This warranty does not include any costs associated with removal of defective products, or installation of replacement products. All replacement parts will be provided FOB Ramsey, MN. This warranty is transferable.

DISCLAIMER OF IMPLIED WARRANTIES

Water Control Corporation makes no warranties except those expressly stated in this document. To the extent permitted by the laws of the applicable state, **ALL WARRANTIES CONTAINED IN THIS DOCUMENT ARE EXPRESSLY IN LIEU OF, AND WATER CONTROL CORPORATION EXPRESSLY DISCLAIMS, ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

WHAT IS NOT COVERED BY THESE WARRANTIES

1. Conditions and damages resulting from any of the following:
 - Wear caused by unfavorable water conditions
 - Improper installation, delivery, or maintenance
 - Any repair, modification, alteration, or adjustment not authorized by the manufacturer or an authorized servicer
 - Misuse, abuse, accidents, or unreasonable use
 - Improper setting of any control
 - Incorrect electric current, voltage, or supply
2. Warranties are void if the original serial numbers have been removed, altered, or cannot be readily determined.
3. The cost of service or service call to:
 - Correct installation errors
 - Instruct the user on proper use of the product
 - Transport the product to the servicer
4. Any costs associated with removal of defective products, or installation of replacement products.
5. Consequential, special, or incidental damages sustained by any person as a result of the breach of these warranties. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusion may not apply to you.

