

Department	HydroLogic		Doc #	SOP – Manual Regen (lg)	
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Standard Operating Procedure (SOP); Perform Manual Regeneration

1. Purpose

The purpose of this SOP is to aid users in the steps necessary to perform a 'Manual Regeneration/Backwash' on the HyperLogic media tanks featuring electronic regenerating heads (CV1.5 thru CV3 Control Valves); tank diameter 21" and larger.

2. Applicable To

This SOP is applicable to all HyperLogic media tanks featuring electronic regenerating heads (CV1.5, CV2 & CV3 Control Valves); tank diameter 21" and larger.

3. Prerequisites

Ensure you follow all state & federal guidelines for personal workplace safety prior to disassembly and/or maintenance of your HyperLogic equipment and related consumables.

4. Materials/Reference

Suggested tools/materials required for this operation include, but may not be limited to, the following:

- Ref. Manual for Operation & Maintenance of <associated> Filter
- Media Tank /w CV1.5, CV2 & CV3 Control Valve Head sizes

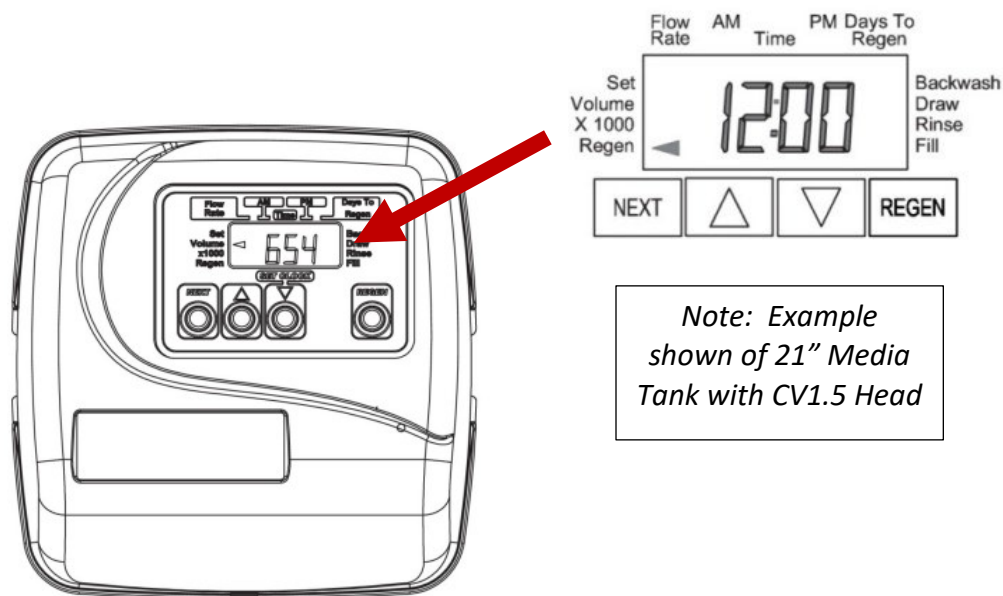
5. Procedure

The time of regeneration and days between regeneration come pre-programmed on your HyperLogic media tank however the user may find it necessary to perform a manual regeneration process outside of the normal scheduled process. The general steps needed to perform a 'Manual Regeneration/Backwash' on your HyperLogic media tank featuring an electronic regenerating head are as follows:

- Place the RO in 'Standby' before entering a media tank into a 'Manual; Regeneration' process.
- Ensure that the media tank has adequate pressure and flows to properly perform a manual regeneration process. This process requires a minimum sustained pressure of 25psi and no greater than 80psi. Reference 'Figure 1' for regeneration flow rate requirements by size.
- Verify that the drain line is open & unobstructed.
- To start the manual regeneration process, press and hold the REGEN button for 3 seconds on the media tank head. Once initiated, you should hear the motor engage and water flowing. Refer to 'Figure 2'.
 - This process will take several minutes to complete. Water should be seen exiting the waste/concentrate line to drain.
 - Only engage one (1) media tank at a time into a manual regeneration/backwash process to ensure that all available water flow/pressure is being utilized for a proper and thorough procedure.
- Once completed, the media tank head display should return to the 'Time of Day' menu.
- Re-engage the RO in 'Run' mode, if necessary, upon completion of a 'Manual [media tank] Regeneration'.

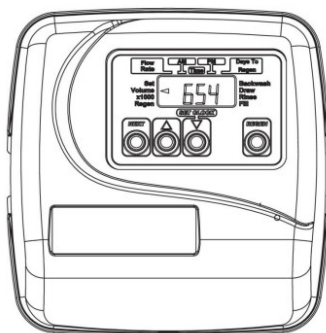
Size	Carbon	Greensand	MultiMedia	Softener
	Minimum Flow Required - GPM			
2162	25	25	35	13
2472	35	30	45	15
3072	55	50	75	25
3672	75	70	105	35
4272	100	100	140	50
4872	120	125	175	60

Figure 1

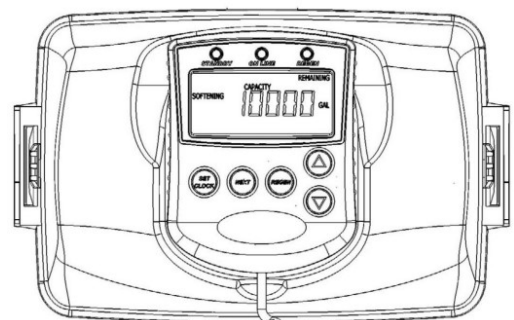


Note: Example shown of 21" Media Tank with CV1.5 Head

Figure 2



CV2 Shown



CV3 Shown

END OF SOP DOCUMENT

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