

Department	HydroLogic		Doc #	SOP – Membrane Flush	
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Standard Operating Procedure (SOP); Operating Messages - Membrane Flush

1. Purpose

The purpose of this SOP is to aid users in understanding a HyperLogic RO 'Operating Status Message' – 'Membrane Flush'

2. Applicable To

This SOP is applicable to all HyperLogic Commercial Series RO systems [1-12 membranes] utilizing the Advantage Series 150 or ROC-300 microprocessor controller.

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. HyperLogic 'Owner's Manual'
- Ref. SOP – Set-Point

5. Procedure

The operating status of the RO unit is shown on the RO display. One of the possible operating system messages includes 'Membrane Flush,' indicating that the RO has entered a "Flush" cycle. This flush disengages the RO pump operation, retains "open" status of the Inlet Solenoid & disables Pretreatment Chemical Injectors, allowing source water to flush the membranes.

The 'Flush Type' Set-Point set to "7", the RO will engage a 'Membrane Flush' for the time programmed in the 'Flush Time' Set-Point, generally 5-minutes, each time the RO float switch enables a 'Tank Full' operation. If the 'Flush Type' Set-Point is set to "0", flush becomes disabled.

Caution: Permeate water may enter your post-RO storage tank during this 'Membrane Flush' cycle, overflowing your tank. Shortening the membrane flush 'Flush Time' Set-Point or disabling the 'Flush Type' may help reduce this occurrence.

END OF SOP DOCUMENT

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