Department	HydroLogic		Doc #	SOP - Sediment Filter Replacement	
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Standard Operating Procedure (SOP); Sediment Filter Replacement

1. Purpose

The purpose of this SOP is to aid users in the general maintenance replacement of the HyperLogic Sediment Prefilter; Hawthorne HGC741672

2. Applicable To

This SOP is applicable to all HyperLogic Commercial Series RO systems [1-12 membranes] which feature the grey sediment prefilter housing under the RO unit.

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. The HyperLogic Sediment cartridge prefilter should be changed regularly. If the pressure drop across the cartridge filter (as indicated by the differential between the 'Filter In' and 'Filter Out' pressure gauges) increases by 10 psi, the cartridge filters should be changed.

4. Materials/Reference

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

- Replacement Sediment Filter HGC741672
- Filter Wrench
- HyperLogic RO Owner's Manual
- DOW Molykote 111 Lubricant
- Towels
- HyperLogic Maintenance Log sheet

5. Procedure

The general steps for HyperLogic RO Sediment Filter replacement (Hawthorne item HGC741672) are as follows:

a. Place RO in 'Standby' or disconnect from power. Shut off feed water source to RO. Ensure all RO Pressure & Flow Gauges read "0".
b. Using the 'Filter Wrench,' remove the grey sediment prefilter housing by loosening as noted in 'Figure 1'.
c. Remove the used sediment prefilter and dispose of it properly.
d. Clean, inspect & lightly lubricate filter housing O-ring using DOW Molykote 111 Lubricant. Replace the O-ring if damaged. Refer to 'Figure 2'.



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e. Fill grey housing ~1/3 full of RO water. Remove the new sediment prefilter, HGC741672, from packaging & place in grey housing.
    i. *Note: The addition of water to the housing will allow the new sediment prefilter to slightly "float" above the threads of the housing, making alignment of the inner bore to the center of the filter head easier when reinstalling the housing.*

f. Reinstall the grey sediment prefilter housing, by hand, securing it in place as shown in 'Figure 1' – Hand Tighten!

g. Restore Power and Water to RO. Inspect for leaks & gently tighten the grey housing if necessary to prevent leakage.

h. Record sediment prefilter change date on 'HyperLogic Maintenance Log' sheet.



HGC741672
Sediment Filter



Figure 1

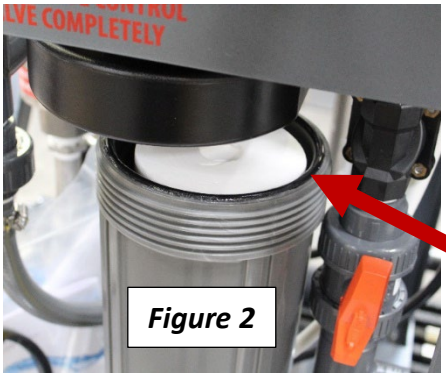
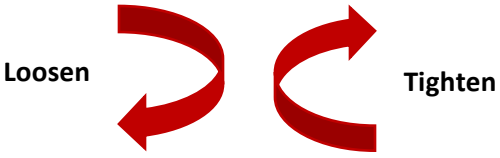


Figure 2



END OF SOP DOCUMENT

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