

Department	HydroLogic		Doc #	SOP – Maintenance Log	
Author:	B.Perryman	Date:	11/16/23	Revision No.	B
Checked By:		Date:		Date Issued:	3/7/25
Approved By:		Date:		No Pages:	2

Standard Operating Procedure (SOP); RO Maintenance Log

1. Purpose

The purpose of this SOP is to aid users in the use of the 'HyperLogic Maintenance Log' sheet. Keeping accurate, pertinent maintenance data can be used to help determine future maintenance needs and records of past maintenance performed.

2. Applicable To

This SOP is applicable to all HyperLogic Commercial Series RO systems [1-12 membranes].

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 'Owners Manual'
- HyperLogic Maintenance Log sheet

5. Procedure

This log should be filled out in its entirety on a basis noted within the attached 'Maintenance Log' sheet; Ranging from Weekly to Monthly by maintenance task.

Refer to Log on Page 2

END OF SOP DOCUMENT

Email hypertechsupport@hydrologicsystems.com

MAINTENANCE LOG



Site Location:

Unit Serial #:

Year:

Frequency / Action JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Plumbing												
Check for leaks Drain Line(s) Clear of Debris	WEEKLY											
Pre-Treatment												
Injector System:	Anti-Scalant [9:1 ratio]	Re-Batch 1x/Month										
	Acid/SBS (if equipped)	Re-Batch 1x/Month										
	Chlorine (if equipped)	Re-Batch 1x/Month										
	Blend Kit Filter (if equipped)	1x/Month										
Pre-Filters												
Sediment Filter Sediment Bag Filter (if equipped) Residual Chlorine Check Media Rebed	1x/Month											
	1x/Month											
	Quarterly											
	1-2 Years											
Membrane(s)												
Verify system is within operating range Cleaning Cartridge Membrane Change	See Table 1 Every 4-6 Months As Needed See System Specs											
Date Installed:										Change Date:		

Table 1
Pressure ranges during operation:
Sediment Pre-Filter
Filter In: 20psi < X < 80psi
Filter Out: 20psi < X < 80psi
**Pressure difference of 10% requires sediment filter to be changed*
System Pressure:
Keep the system pressure between **100** psi and **170** psi
Concentrate Pressure:
10 psi LOWER than system pressure **PER** membrane.
****ALWAYS LESS THAN SYSTEM PRESSURE****

Operations DO's and DON'T
Do:
1. Monitor the system and keep a weekly log.
2. Adjust the system recovery to the recommended value in the Owner's Manual.
3. Change the Multi-Sediment cartridge Once per Month.
Don't:
1. Permit Chlorine in the feed water to the R/O system
2. Shut down the system for extended periods.
3. Close the throttle valve completely.
4. Close the control valve completely.
5. Operate the system with insufficient feed flow.