

Department	HydroLogic		Doc #	SOP - AntiScalant Injection	
Author:	B.Perryman	Date:	11/15/23	Revision No.	B
Checked By:		Date:		Date Issued:	3/7/25
Approved By:		Date:		No Pages:	2

Standard Operating Procedure (SOP); AntiScalant Injection Rebatch & Rate

1. Purpose

The purpose of this SOP is to aid users in the rebatching and injection rate of the HyperLogic AntiScalant concentrate; Hawthorne HGC741678.

2. Applicable To

This SOP is applicable to all HyperLogic Commercial Series RO systems [1-12 membranes] which feature the use of an AntiScalant Injector system by 'Stenner'; Classic Series (HGC741675).

3. Prerequisites

Ensure you follow all state & federal guidelines for personal workplace safety prior to disassembly and/or maintenance of your HyperLogic equipment & related consumables. AntiScalant injector tank should be cleaned and antiscalant rebatched monthly for optimal performance & aide in prevention of RO Membrane scaling.

4. Materials/Reference

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

- PPE – Personal Protective Equipment
- AntiScalant Concentrate (HGC741678)
- Reference: AS-102 SDS Sheet
- Measuring Container
- HyperLogic Maintenance Log sheet
- RO Quality Water (purified)
- Small Scrub Brush
- Clean, warm water
- Bucket
- Ref. HyperLogic 'Owner's Manual'

5. Procedure

The general steps for rebatching and adjustment of the HyperLogic AntiScalant Injector are as follows:

- a. Place RO in 'Standby' or disconnect from power. Turn off power switch located on top of the Stenner Motor.
- b. Remove the tank cap. Empty remaining diluted antiscalant from tank.
 - i. *Note: Some users pump, siphon or pour remaining fluid into an approved container for proper disposal in accordance with the AS-102 SDS Sheet.*
- c. Gently clean the inside of the injector tank with a fine scrub brush and warm water. Thoroughly rinse upon completion & dispose of the remaining diluted antiscalant. *Use caution when cleaning on or around the electronic float switch (if equipped) as they are fragile.*
- d. Mix 9-parts RO water with 1-part antiscalant concentrate & add to the Stenner injector tank. Replace the tank cap once filled with mixture.
- e. Turn on the power switch located on top of the Stenner Motor.
- f. Verify proper injection pump rate & adjust your 'injection rate dial ring' accordingly; Refer to 'Figure 1' This rate may vary from system to system based on source water hardness. The chart below should be used as a reference starting point. Refer to 'Figure 2'.
- g. Record antiscalant rebatch date on 'HyperLogic Maintenance Log' sheet.



Injection Rate Dial Ring

Figure 1

Hyper RO GPD	Stenner Classic Settings
2,000	L
4,000	1.0
5,500	1.25
7,000-9,000	1.75
10,000	2.0
11,500	2.25
13,000 & 14,400	2.5
16,000 - 19,000	3.0

Figure 2

END OF SOP DOCUMENT

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