Scale Control System
With PolyHalt® Up to 8 gpm
PN: SC214

✓ Protect heat exchanger internals from mineral deposits and corrosion
✓ Prevent drops in efficiencies and increased operating costs
✓ Save maintenance and replacement costs

System Description
This Scale Control System protects your heat exchanger from hardness scale deposits and corrosion. The water is conditioned resulting in greatly reduced mineral adhesion to the inner surface of the heat exchanger and a thin film protects metallic components from corrosive conditions. O3 Water Systems, Inc. recommends regularly scheduled maintenance and replacement of the filter cartridge(s) in order for the product to perform as advertised / sold.

Prior to Installing the Scale Control System
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection.
- Install the system where the housing is in an accessible location for changing the cartridge. Allow a minimum 1” space under the cartridge housing in order to remove it from the head.
- DO NOT install sideways or upside down. The system must be installed with the cartridge directly below the feed head.
- DO NOT install the scale control system within a recirculation loop.
- DO NOT install the Scale Control System where it is exposed to direct sunlight. If installed outdoors, ensure the system is covered or insulated from direct sunlight and / or to protect it from freezing.
- Installation of a by-pass system is recommended for easier maintenance.

Installation
1. Identify location of installation. Installation must be on the cold water supply line prior to the water heater. Note: direction of flow.
2. Turn off water supply
3. Use Teflon tape and / or thread sealant on male threaded fittings prior to connecting to system. Do not over tighten.
4. If using sweat fittings, protect the system from excessive heat.
5. Use a backup wrench next to the system if compression fittings are used.
6. Inset cartridge into sump and screw sump onto head (hand tight only).
7. If a bypass is used, make sure the bypass is in a closed position.
8. Once installation is complete, turn supply water on and allow water to flow. Purge air from supply line and check for leaks.

Operation - Under normal operation, the inlet and outlet valves should be in the open position and the bypass closed.

Cartridge Kit Replacement: Disposable cartridge must be replaced every 12 months or sooner.
1. Close inlet and outlet valves, open bypass valve.
2. Relieve pressure by pressing red button on housing cap.
3. Use supplied wrench to loosen housing and remove by hand being careful not to drop.
4. Remove used cartridge, clean with a couple of teaspoons of chlorine in a few cups of water sponging clean and then rinsing.
5. Replace cartridge and reinstall sump to head (hand tight only).
6. Close bypass and open inlet and outlet valves.
7. Purge air and check for leaks.

Specifications:
Maximum Flow: 8 gpm
Plumbing Connections: 3/4”
Maximum Pressure: 90 psi
Maximum Dimensions:
Length - 13 1/4”
Width and Depth - 5 1/4”

Replacement Parts:
Cartridge Kit: SCK212
O-Ring: P-155120
Wrench: P-SW-2
Silicone Lube: SIL-LUBE
Scale Control System: SC214

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