



Scale Control System

With **PolyHalt**® Up to 8 gpm
For Use With All Water Heaters

PN: SC214



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

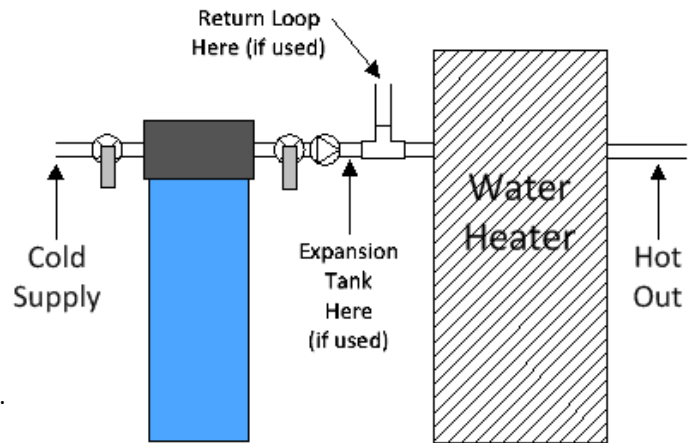
System Description

This Scale Control System protects your heat exchanger from hardness scale deposits and corrosion. Featuring PolyCor™ technology water is filtered and 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 only when heat exchanger is new or immediately after it has been descaled.
- 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.

Scale Control System SC214



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 filter into housing with BLUE PolyCor™ cap up and screw sump onto head (hand tighten 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 and 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 6 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 spent filter, clean with a couple of teaspoons of chlorine in a few cups of water sponging clean and rinsing.
5. Replace filter with BLUE PolyCor™ cap up and reinstall housing (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

 Made in USA
 From foreign and domestic components



* Filters with PolyCor™ Technology:

