

ECOSENSE

Anti-Scale Water Treatment System

LANCASTER
WATER TREATMENT



Homeowner Benefits

- Virtually eliminates new scales formation!
- Aids in the removals of existing scale.
- Environmentally friendly
- Salt free system
- No backwashing (saves water)
- Distribution System - efficient and effective
- No electricity
- Easy Installation

Series Overview

The Eco-Sense Anti-Scale System provides protection from scale formation on internal and external plumbing surfaces. The Eco-Sense system is a single cartridge-based system that must be installed on a cold water line prior to a water-heating device (water heater or tankless water heater) for single tankless heaters.

Eco-Sense prevents scale by transforming dissolved hardness minerals into harmless, inactive microscopic crystal particles. These crystals stay suspended in the water and are passed to a drain. The system requires very little maintenance, no backwashing, no salt and no electricity. Typical hardness problems, especially build-up of scale in heating elements, pipes, water heaters, boilers and on fixtures are no longer a concern.

Eco-Sense is not a water softener or a chemical additive (like anti-scalants or sequestrants). It is a scale prevention device with proven third party laboratory test data and years of successful residential and commercial applications. Eco-Sense is the one water treatment device that effectively provides scale protection and is a great alternative to water softening (ion exchange) or scale sequestering chemicals



Stipulations

- Chemical-free scale prevention and protection – converts hardness minerals to harmless, inactive microscopic crystals making Eco-Sense an effective alternative technology to a water softener for the prevention of scale due to water hardness
- Virtually maintenance free – No salt bags or other chemicals to constantly add
- No control valve, no electricity and no wastewater
- Uses environmentally friendly “green” technology
- Improves efficiency of all water using appliances
- Simple sizing & installation – all you need to know is pipe size and the peak flow rate
- Perfect system for towns or communities where water softeners are banned or restricted
- Manifold assemblies for easy installation of multi-tank, high-flow applications (Can be operated in parallel for full flow applications.)
- Eco-Sense does not remove minerals or add sodium to the water supply
- Eco-Sense can be installed as pre-treatment to reverse osmosis (Eco-Sense should be the last stage in treatment unless a point-of-use system is being used downstream)



Conditions for Operations

- Water temperature 40-120 degrees
- pH 6.5 - 8.5
- Ferrous Irons 0.3 mg/l max
- Manganese 0.05 mg/l max
- Chlorine up to 4ppm
- No H₂S, oil or grease
- No polyphosphates
- Hardness 25 grains max
- Water pressure 15 psi min., 100 psi max.
- Always the last piece of equipment in line.

MODEL NUMBER	MAXIMUM SERVICE FLOW	MEDIA CU. FT. (LBS.)	MINERAL TANK DIA. x HT.
7-UFAS-011	10 gpm	0.11 (5.0)	8" x 44"
7-UFAS-016	15 gpm	0.16 (7.6)	10" x 54"
7-UFAS-026	25 gpm	0.26 (12.7)	13" x 48"
7-100SP3	4 gpm	N/A (7.0)	2 ³ / ₄ " x 9 ³ / ₄ "

Maximum hardness is 25 grains at the specified flow rates.