



Cold Spring 320-685-8762
St. Cloud 320-252-1358
www.erkenswater.com

I-OX SERIES

For the reduction of Iron, Hydrogen Sulfide and Manganese



- Protects appliances and fixtures from staining
- Safe - No chemicals
- Low cost - Requires only periodic backwashing
- Low maintenance - No filters to change
- Long material life
- High iron removal efficiency
- Reduces hydrogen sulfide (Rotten egg smell)*

* Use model FIOX-150C for this application



CONDITIONS FOR OPERATION

PH range: 6.8-9.0

Pump output must match or exceed backwash rate

Free chlorine concentration less than 0.5 ppm
(for FIOX-100 & FIOX-200 only)

** Intermittent flow rates and/or favorable local conditions may allow higher flow rates



Products of

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The I-OX filters utilize an air injection system to remove iron (ferrous or clear water), manganese, and sulfur from the water via both oxidation and filtration. Unlike other iron filter alternatives, I-OX technology is designed for use in a single tank and valve system configuration, reducing both acquisition and maintenance costs yet delivering years of trouble-free service. No chemical additives or air compressors are required for operation or regeneration with the I-OX filters advanced design.

How does the I-OX filter work? During system regeneration, an air pocket is created when air is drawn in through an injector located in the brine port. During service, untreated water passes through the air pocket oxidizing any iron, sulfur, and manganese. The particles are filtered out. Then the system's regeneration cycle backwashes the bed and replaces the air pocket, allowing the process to begin again.

Features

- Time-tested, hydraulically-balanced piston, seals and spacers control service flow and backwash
- Non-corrosive, fiber-reinforced polymer construction
- Electronic control
- Environmental cover
- Quick connect clip design
- Keeps the time-of-day during a power outage eliminating the need of a service call to set the clock
- Corrosion free bypass valve

Benefits

- Reduces salt consumption if installed ahead of a water softener
- Improves cleansing strength and reduces laundry detergent use for clothes washing
- Brighter whites and colors in laundered clothes
- Reduces soap usage and build-up during bathing
- Protects pipes, plumbing fixtures and appliances, promoting longer-life

Options

- Plumbing connections in 3/4" - 1" NPT
- Auxiliary switch

Valve Specifications

Valve material	Fiber-reinforced polymer
Inlet/Outlet	3/4" - 1" NPT

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	199 minutes per cycle

Dimensions

Distributor pilot	1.05" OD
Drain line	1/2" OD
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	8 5/8"

Typical Applications

Filters	8" - 12" diameter*
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Additional Information

Electrical rating	24 VAC, 50/60 Hz
Max. VA	15
Estimated shipping weight	7 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110°F

* Based on 10 gpm/ft² backwash flow

