



The Model 7000 AIO utilizes 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, 7000 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 7000's advanced design.

How does the 7000 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

- Up to 26 GPM flows for residential/commercial filtration applications
- Time-tested, hydraulically-balanced piston, seals and spacers control service flow and backwash
- Non-corrosive, fiber-reinforced polymer construction
- Reliable optical electronics
- Quick connect clip design
- Keeps the time-of-day during a power outage eliminating the need of a service call to set the clock

Benefits

- Reduces salt consumption if installed ahead of a water softener
- No micro switch for positioning
- Easy and fast installation and maintenance
- Protects pipes, plumbing fixtures and appliances, promoting longer-life
- Manual operation
- Environmental cover (NEMA-3R rated)

Options

- High-flow bypass valve
- High-flow distribution system
- Plumbing connections in 3/4" - 1-1/2" NPT, BSP and Sweat
- Auxiliary switch

Valve Specifications

Valve material	Fiber-reinforced polymer
Inlet/Outlet	3/4" - 1-1/2" NPT, BSP and Sweat

Flow Rates (50 psi Inlet) - Valve Alone

Piston	AIO
Continuous	26
Peak (25 psi drop)	33
Cv (flow at 1 psi drop)	6.6
Max. backwash (25 psi drop)	24

Regeneration

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

Dimensions

Distributor pilot	1.05" or 32 mm
Drain line	3/4" or 1" NPT Quick Connect
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	7.9"

Typical Applications

Filters	8" - 18" diameter *
---------	---------------------

Additional Information

Electrical rating	24 VAC, 50/60 Hz
Max. VA	15
Estimated shipping weight	11 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

* Based on 10 gpm/ft² backwash flow

