

Iron, Manganese, Hydrogen Sulfide Reduction Point-of-Entry, High Flow Filtration System

Designed for light commercial and whole house applications

Atlas Filtri® automatic backwash system is designed for reduction of iron, manganese and hydrogen sulfide odor from the supply water. The system reduces soluble iron and manganese that are oxidized and precipitated by contact with the catalytic coating on the media granules. The hydrogen sulfide is oxidized to an insoluble sulfur precipitate. Precipitates are then filtered and removed by backwashing. The optional Ozone unit reduces bacteria in the valve body of the filtration unit when bacteria is a concern.

The Atlas Filtri® system delivers 8 GPM to every distribution location throughout the entire house or facility. The high flow rate is suitable for residential and light commercial applications. The fully automatic pre-programmed electronic control valve can provide reduced iron, manganese and hydrogen sulfide water to every faucet and appliance in the home or commercial applications. 110V/60HZ Electrical requirement. Tank jacket protects the tank from ozone and ultraviolet light effects.

This highly efficient system uses Filter-Ox media, which makes it long-lasting, high performing and low maintenance overall. The components used in this system were designed and manufactured in the USA and meet NSF/ANSI standards for aesthetics.

Atlas Filtri is driven to providing our customer with the best available products to meet specific filtration requirements. This is done by using the most advanced manufacturing and design methods. The international patents received come from a constant commitment to research and development that result in new and innovative products.

Check out more about Atlas Filtri at atlasfiltri.com.



Iron, Manganese and Hydrogen Sulfide Technology
Metered Flush Cycle

Features

- Designed for residential, well & light commercial filtration applications
- 1" FNPT inlet & outlet fitting connections
- Lead free system design
- Effectively reduces iron, manganese & hydrogen sulfide odor
- Optional ultraviolet sterilization reduces bacteria from occurring in the valve chamber
- Backwashing keeps the media performing effectively for years
- Programmable meter with 110/60hz electrical requirement
- 5/8" OD – 1/2" ID Drain Line for high backwash flow rate
- NEMA electrical plug
- Protective tank jacket
- One year warranty on structural integrity

Specifications

- **Materials:**
 - Head Connection: reinforced polypropylene
 - Housing Construction: Fiberglass
 - Seal: EPDM O-Ring
 - Media: Filter-Ox blended with Filter-Ag
- **Working Conditions:**
 - Temperature Range:* 39°F - 113°F (4°C - 45°C)
 - Pressure Range:* 20 - 90 PSI (1.8 - 8.3 BAR)
 - Meter Electrical Requirements:* 110V/60Hz
 - Minimum Flow Rate:*
 - 2.0 cu.ft, 8 gpm (30 lpm) service flow rate
- **Certifications:**
 - Filter-Ox is Certified to NSF/ANSI Std 61

PRODUCT SPECIFICATION AND PERFORMANCE

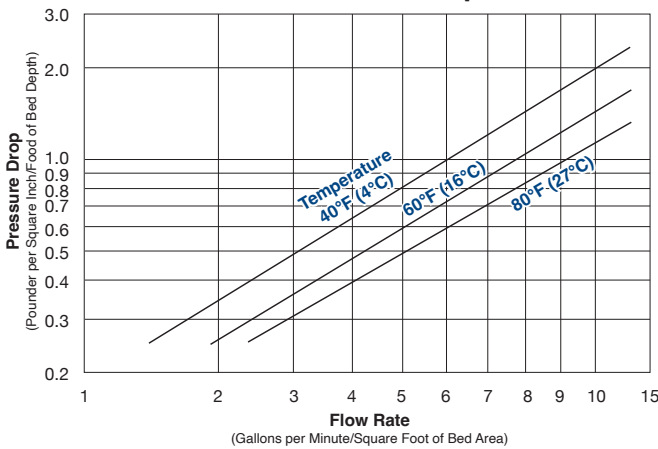
Backwash Iron, Manganese & Hydrogen Sulfide Filtration System in standard model and with Ozone

- Will treat iron to 10 ppm, manganese to 3 ppm, and hydrogen sulfide up to 3 ppm

Part Number	Description	Advantages
BW-IRON-100-MPT-08	Backwash Filter, 2 cu. ft, 12 x 52 - 1", MPT Metered Filter AIO 8 GPM	<ul style="list-style-type: none"> • Iron reduction over wide pH range • Effective reduction of hydrogen sulfide in addition to iron and/or manganese • No harmful effects from a chlorine feed • Low attrition for long bed life
BW-IRON-100-MPT-08	Backwash Filter, 2 cu. ft, 12 x 52 - 1", MPT Metered Filter AIO/Ozone 8 GPM	

Do not use with water that is microbiologically unsafe or on unknown quality without adequate disinfection before or after the system.

Service Flow Pressure Drop



Water Contaminants*	Required Water Conditions
pH	7.0 - 7.8
H ₂ S - Hydrogen sulfide	No more than 1 ppm
Iron, Total	Total Iron 8 ppm
Manganese, Total	0.50 ppm
Turbidity (NTU)	1 NTU
Uranium	0 ppm
E. coli bacteria	0 ppm
Total Coliform bacteria	0 ppm
Iron related bacteria	0 ppm
Sulfate reducing bacteria	0 ppm
Chlorine	Less than 0.5 ppm

* See manual for other contaminants to test for

Check out all of Atlas Filtri's various solutions and kits to meet the application requirement for your filtration needs at atlasfiltri.com



Hydra Self-Cleaning Pre-Filter
90-Micron System

Protects Backwash Filter Valves from small sedimentation



DP Big Whole House Post Filter Chemical reduction filter system

CTO Chlorine Taste and Odor and chemical reduction

Offers clear cleaning and great tasting water throughout the entire house



DP Big Whole House Post Filter Sediment, Scale, Corrosion and Chemical reduction filter system

CTO Chlorine Taste and Odor and chemical reduction

Offers clear cleaning and great tasting water throughout the entire house



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