TAYLOR PURIFICATION
Water Treatment Wholesalers

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PYROLOX SYSTEM FOR IRON & MANGANESE REDUCTION

Pyrolox® effectively reduces iron, manganese and hydrogen sulfide from problem water.

Pyrolox® is a granular water filtration media used for the removal of hydrogen sulfide, iron and manganese. A naturally mined ore, Pyrolox has been used in water treatment for more than 75 years. It is NSF-61 certified

Through a natural chemical reaction, Pyrolox has the ability to help produce clean, high-quality water. Pyrolox filter media works by oxidizing iron, manganese and hydrogen sulfide in problem water. Trapped particulate is then removed from the media bed during the backwash cycle.

To maintain and further augment the long-term performance and removal capacity of the media, an oxidant feed of some type is recommended. This will maintain the media and enhance removal capacity. Chlorine injection (options include chlorine, sodium hypochlorite, or calcium hypochlorite) immediately up stream of the filter feed is a simple way to meet this recommendation. Other acceptable oxidants include air injection, potassium permanganate, sodium permanganate, etc. Hydrogen peroxide is specifically prohibited for use as an oxident.

It is important that Pyrolox media is backwashed properly to ensure adequate bed expansion and continued service life. It is recommended that Pyrolox be installed with an underbed and be backwashed daily. Individual application requirements may vary.

Model	Head Type	Flow Rate
AP1252/742	Automatic	Up to 20LPM
AP1665/293	Automatic	Up to 30LPM

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ADVANTAGES

- Effective reduction of iron, manganese and hydrogen sulfide
- Durable media with long service life

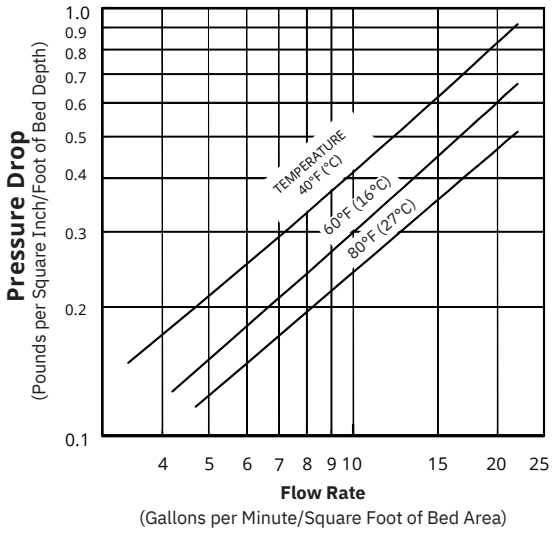
PHYSICAL PROPERTIES

- Color: Black
- Bulk Density: 120 lbs./cubic foot
- Mesh Sizes: US 8 x 20, US 20x40, UK 18/44
- Specific Gravity: 3.8
- Packaging: 60 lb. bags, 2,000 or 2,205 lb. super sacks

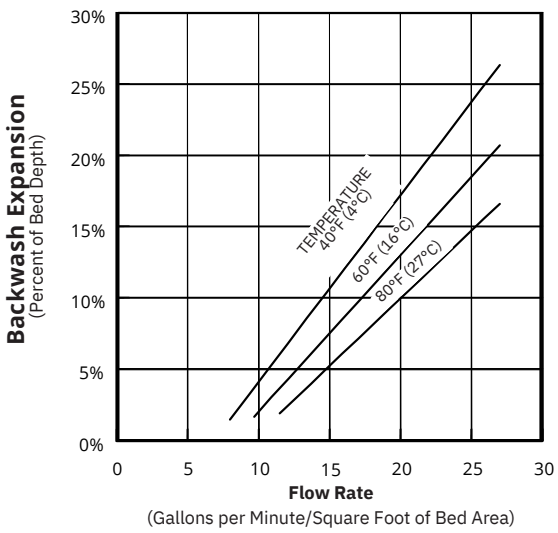
CONDITIONS FOR OPERATION

- pH: 6.5-9.0
- Bed Depth: Suggested depth 18 inches. Dependent on application and water quality.
- Backwash Flow Rate: 25-30 gpm/sq.ft.
- Freeboard: 40% of bed depth (min.)
- Underbed: Garnet #8, #8-#12. #3 Silica. Other materials are also suitable but must keep media from migrating downward and be heavy enough to remain in place during backwash.
- Service flow rate: 5 gpm/sq. ft.

Service Flow Pressure Drop



Backwash Bed Expansion



Certified to NSF/ANSI Standard 61

Pyrolox® is manufactured by
Prince Minerals Inc., Quincy, IL.

ORDER INFORMATION

Part No.	Description	Cu. Ft./Bag	Wt./Cu. Ft.*	Bags/Pallet	Weight/Pallet	Pallet Dimensions
A8005	Pyrolox®	0.5 (60 lbs.)	120 lbs.	50	3050 lbs.	42” x 42” x 43”

*Weight per cubic foot is approximate.

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