

# FILOX

Media for Iron, Hydrogen Sulfide and Manganese, or as we refer to them as the “troublesome trio”. Removing these contaminants is a challenge!



## ADVANTAGES

### ✓ Superior performance

Filox works when other iron reduction media fail because there is a resistance of O<sub>2</sub>, Cl<sub>2</sub>, H<sub>2</sub>O<sub>2</sub> and ozon.

### ✓ Lower cost

Less Filox is required compared to other media types to accomplish the same flow rates, reducing media costs. It has the highest flow rate of any standard iron removal media

### ✓ Smaller tanks

Because less Filox is typically required, compared to other media, smaller tanks may be used to accomplish the same flow rate, reducing costs.

### ✓ Conserves water

The use of air filter tanks increases backwash efficiency by providing greater “lift” to help conserve water and cleaning of any particle such as iron or sulfur which has been filtered out.

## OPERATING CONDITIONS

Activate ingredient	Manganese Dioxide (75% - 85%)
Service flow rate	14,64 m/h
Freeboard	30 - 50% of bed depth
Backwash rate	39,1 - 73,3 m/h
pH range	6.5 to 9.0
Bed depth	20" minimum

## REMOVAL CAPACITY

Iron	10 PPM
Hydrogen Sulfide	3 PPM
Manganese	5 PPM



CERTIFIED TO  
ANSI/ NSF 61

# FILOX

## Traditional treatment methods

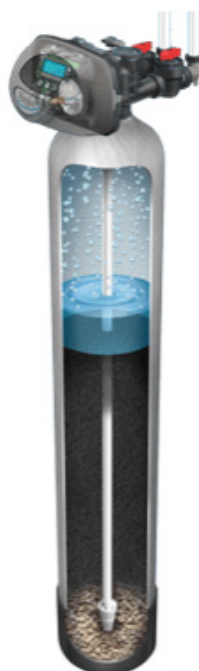
The use of additional oxidizing agents (oxygen, chlorine, ozone, hydrogen peroxide, potassium permanganate, etc.) is recommended. Oxidizers will enhance the performance of Filox-R™. They oxidize the media, which enables Filox-R™ to perform quicker and keep cleaner. It is always a safe practice to install an oxidation method upstream (in front) of the Filox-R™ bed. Do not exceed 4ppm free chlorine chlorine in the feed water stream or bed damage may occur.

## How Filox™ works!

The active ingredient in Filox is Manganese Dioxide (75% - 85%), which acts as a catalyst to use oxygen in water to oxidize minerals and gases, so they will drop out of solution and be entrapped by the Filox and be removed from the bed during backwash.

## Note

Oxidizing chemicals may be used with Filox to enhance performance. Our customers tell us, however, they use Filox alone in the majority of their installations. If in question, ORP testing is recommended to determine the oxygen content of the water to be filtered.



## Evolve Air Filter System

We recommend you to use filox with an Evolve Air Filter System

Reference	0906009403
Search name	A8033-EU
Item name	Filox 1/2 cuft
Packaging	1/2 cuft
Service flow	14,64 m/h
Backwash Rate	39,1 - 73,3 m/h
Freeboard	30 - 50%
pH Range	6,5 - 9 (high effective)
Density	1,83 kg/l