

FILTRATION MEDIA



METALEASE™ HEAVY METALS REMOVAL MEDIA

MetalEase (P/N METALEASE) is a relatively new technology, and a simple method of iron and heavy metals filtration that is quickly becoming a popular alternative to chemical oxidation (chlorine feeders, greensand / potassium permanganate, etc.). Although MetalEase works on a similar principle of bringing dissolved metals out of solution, most MetalEase filter applications require no chemical regeneration, just a simple vigorous backwashing.

MetalEase is capable of removing high levels of iron, hydrogen sulfide, and other metals such as lead and manganese. The media first brings the metals out of solution into a solid form and then traps the particle in the MetalEase bed until the particle is flushed out of the tank in the backwash cycle.

MetalEase is designed to be used in place of traditional forms of iron treatment and can be installed on either well or municipal water supplies. It

is the perfect companion to softeners, RO systems, and carbon filters.

MetalEase is capable of removing virtually unlimited amounts of the above contaminants, but tends to work better in some geographic areas than others depending on the levels of TDS or heme iron (organics) in the local water supplies. If you have had success in the past with greensand, Birm®, Pyrolox™, or Filox-R™, then MetalEase will work for you using the same parameters. In addition, MetalEase can also be pushed beyond the listed removal capabilities by adding such things as air injectors or extended contact times, but not in all areas or on all waters. There is a learning curve, and sometimes trial and error. But for those who have mastered the applications, this is a wonderful method of treatment and a great way to give your customers good water without the messy chemicals.

FEATURES

- Iron, Hydrogen Sulfide, and Manganese Removal
- Taste and Odor Reduction
- Turbidity Reduction
- Virtually Unlimited Life Expectancy

Warning

For safety and handling purposes avoid contact with eyes, skin, and clothing. Avoid breathing the dust and always use adequate ventilation. Wash thoroughly after handling. Keep away from heat and easily oxidizable materials.

This information has been gathered from standard materials and or test data that is believed to be accurate and reliable. Nothing herein shall be determined to be a warranty or representation expressed or implied with respect to the use of such information or the use of the goods described for any particular purpose alone or in combination with other goods or processes, or that their use does not conflict with existing patent rights. No license is granted to practice any patented invention. It is solely for your consideration, investigation and verification.

Specifications

Active Ingredients.....	75 to 85%
Service Flow Rate	4 to 5 gpm/cu.ft.
Freeboard	30 to 40%
Backwash Rate (@ 60°F)	15 to 20 gpm/sq.ft.
Bed Depth.....	24 inch minimum
pH Range.....	5.0 to 9.0
Suggested Operating Capacity	
Iron	10 ppm
Hydrogen Sulfide	5 ppm
Manganese	3 ppm
Color.....	Grey-Black
Physical Form.....	Granular
Mesh Size	12 x 40
Bulk Density.....	114 lb /cu.ft.
Taste and Odor.....	None
Life Expectancy	Virtually unlimited for low contaminant conditions

Packaging

Heavy duty paper bag. Each bag contains 1/2 cu.ft. (57 lb net weight).

MetalEase™ is a trademark of Safe Water Technologies, Inc.
Filox-R™ is a trademark of Matt-Son, Inc.

Birm® is a registered trademark of Clack Corporation.
Pyrolox™ is a trademark of American Minerals.

SAFE WATER TECHNOLOGIES, INC.
996 BLUFF CITY BOULEVARD, ELGIN, IL 60120 USA
TELEPHONE 847 888 6900 • FACSIMILE 847 888 6924
E MAIL: info@swtwater.com • WEB SITE: www.swtwater.com



FORM 1093
EFFECTIVE
OCTOBER 2001