



Graver Technologies

Filtration

Separation

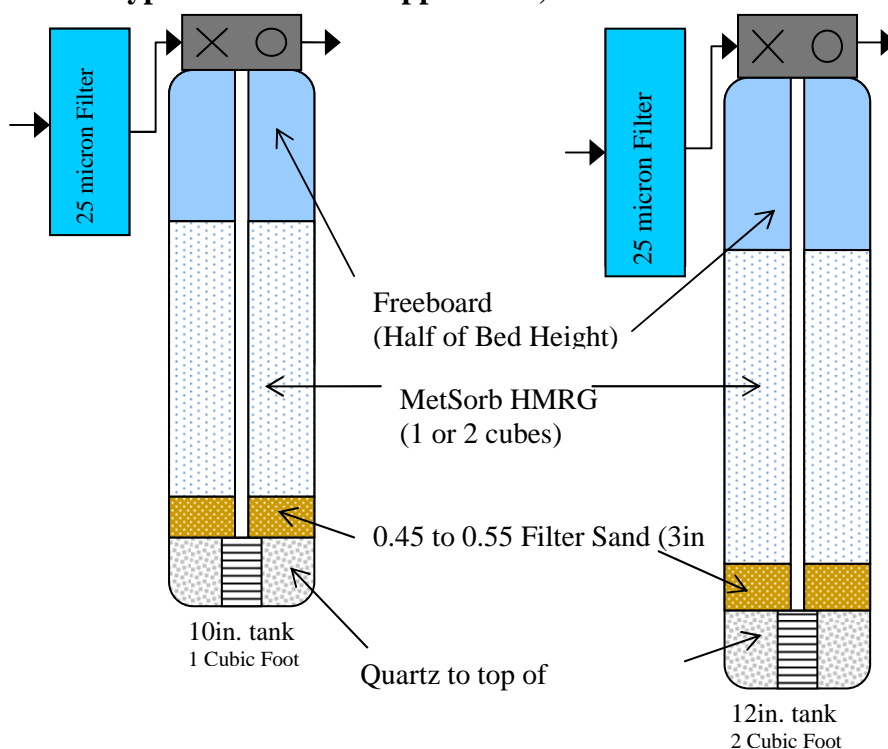
Purification

MetSorb HMRG (Heavy Metal Removal Granules)

Media Applications Guide

MetSorb HMRG by GRAVER TECHNOLOGIES is very effective at removing arsenic from water supplies when used according to the media manufacturer's recommended guidelines, which are listed below.

Typical Residential Application, Normal Down-flow Service



Backwashing Information:

- For the initial backwash of a new unit, backwash at 5 gpm per sq ft until backwash water runs clear.
- Backwash Flow rate: 5gpm per square foot. To calculate the backwash flowrate, use the following formula:
 - BW flow rate (gpm) = (0.03) x (Tank diameter in inches) x (Tank diameter in inches)
- Backwash Frequency: Initial Installation and Recommended Monthly thereafter.
- Backwash time: 5 to 10 minutes

Service Flow Rates:

- 5 to 10 gpm per square foot. To calculate the service flowrate, use the following formula:
- Service flow rate (5 gpm) = (0.03) x (Tank diameter in inches) x (Tank diameter in inches)
- Service flow rate (10 gpm) = (0.06) x (Tank diameter in inches) x (Tank diameter in inches)

Sampling:

- Sample influent and effluent after initial install (to ensure everything plumbed correctly)
- In service, sample effluent every 6 months or as federal, state, and local ordinances require

Recommended Pretreatment:

- Reduce Sediment with 25 micron whole house filter (Big Blue® - type)
- Reduce Iron and Manganese levels to Iron < 0.3ppm and Manganese < 0.04ppm

Media Disposal:

- Fully loaded MetSorb HMRG has passed the TCLP (toxicity characteristic leaching protocol) as well as the CA WET test (California Waste Extraction Test), so it may be disposed of safely as Non-Hazardous Solid Waste. We recommend that you follow local codes and ordinances for disposal.