

GEH[®] 102

Heavy Metals Adsorption



WestTech[®]

GEH[®] 102 Arsenic Adsorbent Media



The standard GEH[®] 102 system consists of three vertical pressure vessels with factory installed internals for distribution and collection of influent and backwash flows. The vessels include fully finished, painted interiors for superior corrosion protection. GEH[®] 102 systems are ideal for plants that have limited waste handling facilities since the unit produces unusually low volumes of liquid waste and on an infrequent basis.

What is GEH[®] 102?

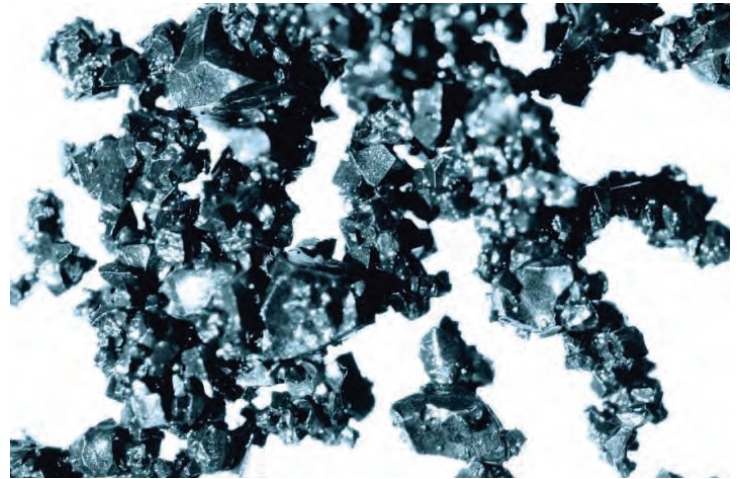
GEH[®] 102 is a high-performance adsorbent based on granular ferric hydroxide. Made in a patented manufacturing process, it was specifically developed for selective removal of arsenic from water.

Recognized for its high quality and purity, GEH 102 adsorbent complies with all requirements of DIN EN 15029 for drinking water treatment. In addition it is certified in accordance with NSF / ANSI Standard 61.

A WesTech system utilizes the ferric-based, non-regenerative media to adsorb arsenic, selenium, phosphate, chromium and other heavy metals from drinking water. Like other adsorption processes, the water is simply passed through the media to remove the contaminants. Once the media has depleted its adsorption capacity, it is removed from the vessel and replacement media is installed. In many cases, the exhausted media can be discarded in landfills and classified as non-hazardous waste after passing a TCLP test.



Granular Ferric Hydroxide: *optimized for arsenic and other heavy metal adsorption applications.*



Why Choose GEH[®] 102?

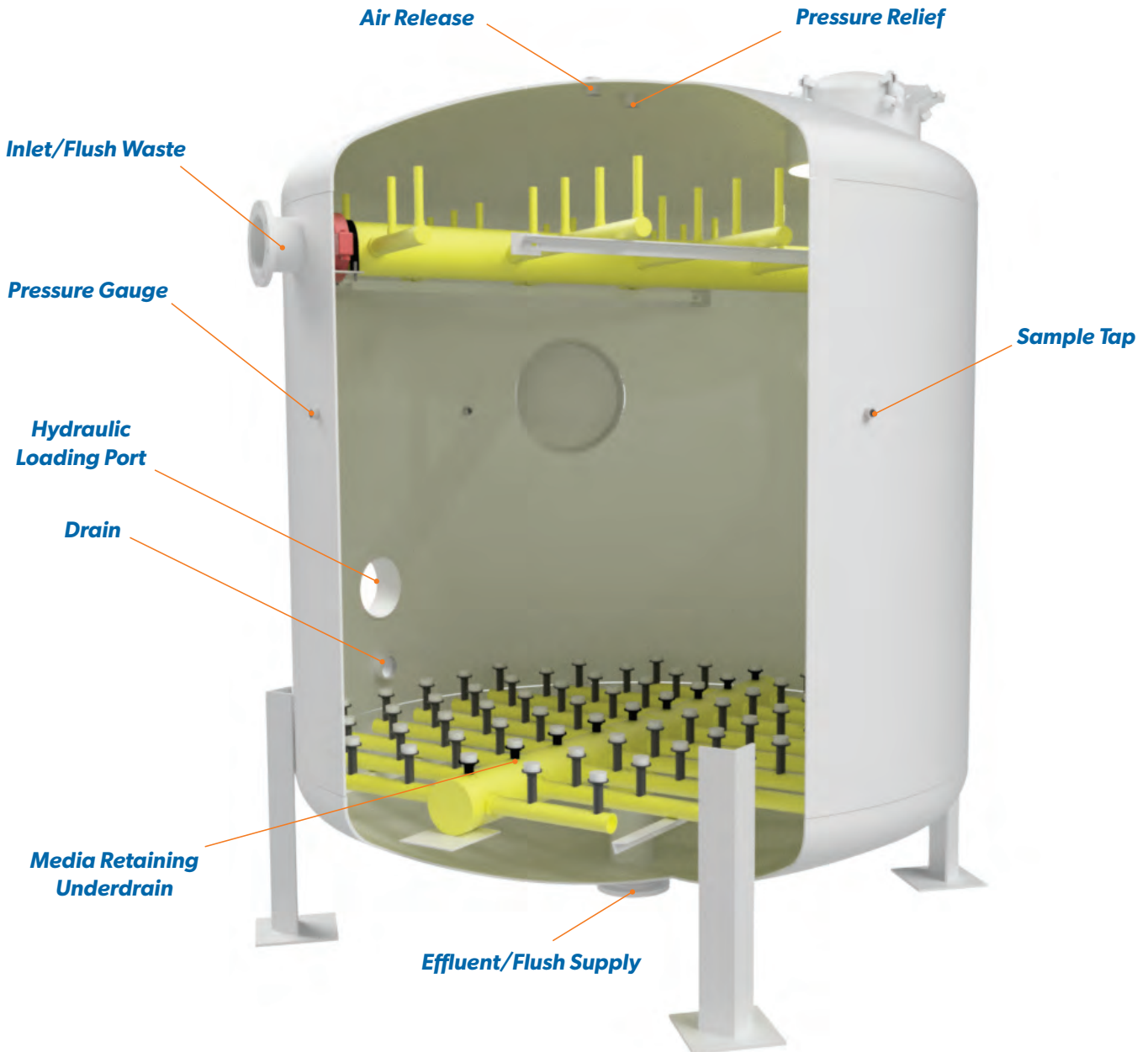
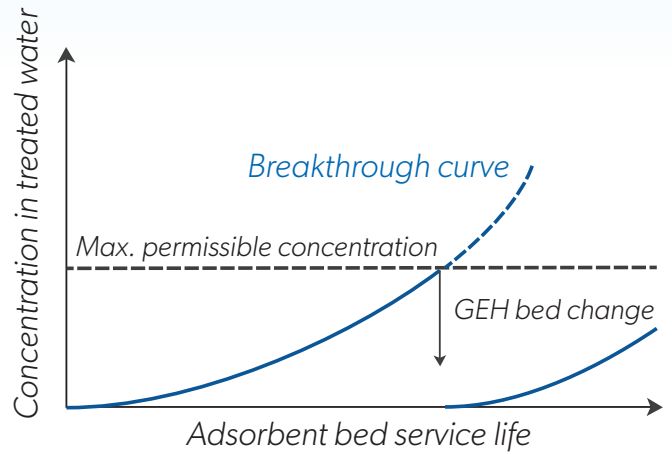
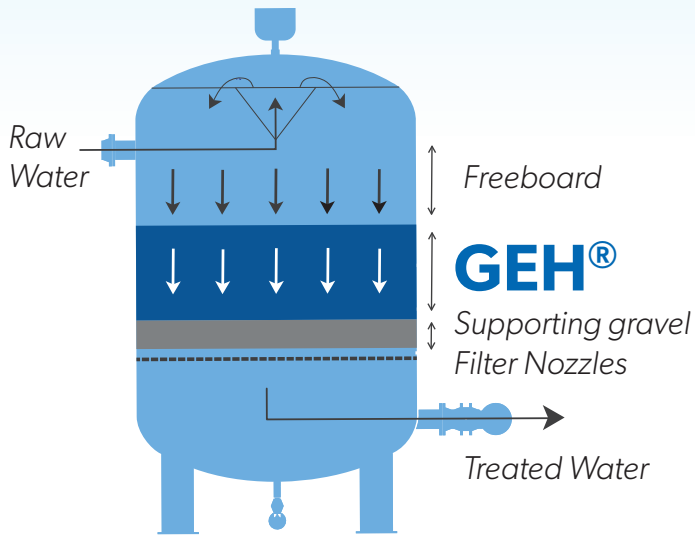
GEH 102 is an adsorbent for drinking water treatment which permits reduction of arsenic content to well below 10 µg/L without changing the water's characteristic composition.

GEH 102 removes both arsenate and arsenite, the two forms of arsenic applicable to drinking water. Its adsorption capacity is dependent on the characteristics and composition of the water being treated as well as the operating conditions.

Advantages

- Piping can be configured for either lead/lag or parallel operation
- Spent media passes TCLP testing
- Spent media can be landfilled for disposal
- Very low waste volume (Typically < 0.1%)
- Systems of multiple size ranges are available
- Rapid small scale testing and pilot testing are available
- Avoid regenerant chemical storage

GEH® 102 Configuration





Represented by:

WESTECH® Tel: 801.265.1000
westech-inc.com
info@westech-inc.com
Salt Lake City, Utah, USA

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