

HydraPLUS⁺ Professional

MetSorb[®] Arsenic & Heavy Metal Reduction Filters

Highly effective, reliable, and economical treatment for the removal of arsenic, uranium, lead, and many heavy metals

HydraPlus™ MetSorb media filters are designed specifically for the removal of arsenic (arsenic III and arsenic V), uranium, and a variety of heavy metals including lead, cadmium, copper, chromium +6, selenium, antimony, mercury, and zinc from water.

HydraPlus™ systems combine the industry's most advanced control valve, a brand name media tank made in North America, and a very unique titanium dioxide-based adsorption media called MetSorb™. MetSorb™ reduces arsenic, uranium, and heavy metals by permanently adsorbing them (binding them) to the media. No other arsenic removal media has more capacity.

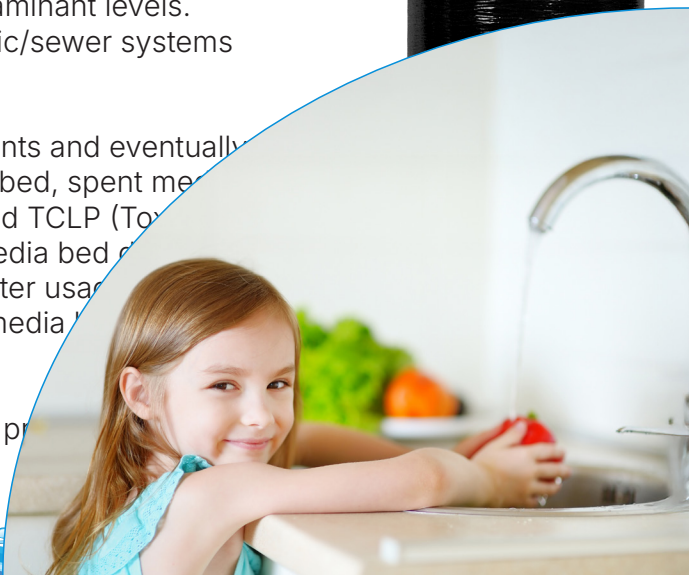
- ◆ Out-performs all other arsenic reduction media
- ◆ Removes both trivalent and pentavalent arsenic
- ◆ Concurrent removal of wide range of heavy metals and uranium
- ◆ Cost-effective and long-lasting media (>7 years in most applications)
- ◆ Simple, automated periodic backwash keeps the media clean and operating efficiently with minimal maintenance
- ◆ Flow restrictor to ensure flow rate capacities are not exceeded



The system will backwash periodically to ensure that the media bed is not subject to channelling which could reduce its effectiveness. The backwash will also remove any particulate matter trapped in the media. The backwash process is controlled automatically by the digital control valve included with the system. Since the arsenic and heavy metals are permanently bound to the media, the backwash discharge does not contain concentrated contaminant levels. Accordingly, the discharge water can be sent to sanitary septic/sewer systems without concern.

MetSorb™ has a large, but finite capacity to adsorb contaminants and eventually needs to be replaced. Since the arsenic is permanently adsorbed, spent media is landfill safe. To verify safe disposal, spent media has passed TCLP (Toxicity Characteristic Leaching Procedure) testing. The life of the media bed depends on several factors including arsenic level, heavy metal levels, water usage, and water chemistry. Consult your dealer for information on expected media life for your application.

The filter's control valve features metered backwash, 6-cycle pro





- ◆ Top rated treatment media
- ◆ Industry leading 5 year warranty



- ◆ Removes trivalent and pentavalent arsenic
- ◆ Removes heavy metals including lead
- ◆ Removes uranium



- ◆ No filter cartridges to replace
- ◆ Long-life media
- ◆ Fully automated periodic backwash

Popular Add-Ons and Accessories

Vortech



Enpress Vortech® Tank Upgrade

Looking to reduce water consumption and waste? With an upgrade to a Vortech® media tank, you can reduce your backwash and rinse water volume by 30 to 40%! A Vortech® tank upgrade is a great option for homes with low-yield wells or in areas prone to drought and water restrictions where water conservation is important.



No Raw Water Bypass Valve

During regeneration, HydraPlus™ systems will continue to supply service water, however, it will be untreated. If it is essential to prevent untreated water from reaching the building during regeneration, a No Raw Water Bypass Valve can be added to the system.



Bypass and Fittings

All HydraPlus™ systems come standard with a bypass assembly included as well as 1 inch NPT elbow (Clack® V3007) connection fittings. A wide range of alternative connection fittings can be ordered separately in 3/4 and 1 inch sizes, including NPT thread, Shark Bite®, John Guest®, and sweat/solder options.

Specifications & Operating Conditions

MS-HP Series	8-44	9-48	10-54	12-52	13-54	14-65
Optimal Service Flow Rate (GPM)*	1.7	2.2	2.7	3.9	4.6	5.3
Maximum Service Flow Rate (GPM)*	3.5	4.4	5.5	7.9	9.2	10.7
Backwash Flow Rate at 40F / 70F Water Temp (GPM)	2.7 / 3.2	3.2 / 4.2	4.2 / 6.5	7.5 / 8	8 / 10	9 / 12

Min. / Max. Water Pressure	20 / 90 PSI**
Recommended Water Pressure	40 to 70 PSI**
Water Temperature	40°F to 100°F (4°C to 38°C)***
Minimum Air Temperature	38°F (4°C)***
Maximum pH	8.3
Maximum iron level	0.3 ppm (mg/l)
Maximum Manganese level	0.5 ppm (mg/l)

* For best contaminant removal, the optimal service flow rate specified for your model should not be exceeded. Satisfactory to good filtration can generally be achieved up to the recommended maximum service flow rate as long as this level of flow rate is not sustained continuously.

**If your water pressure is greater than 70 PSI, we strongly recommend that a pressure reducing valve be installed ahead of the HydraPlus™ system.

*** The system cannot be exposed to freezing conditions or severe damage to the system and your property could occur.

IF YOUR TOTAL ARSENIC LEVEL IS GREATER THAN 60 PARTS PER BILLION (0.060 MG/L), PLEASE CONTACT YOUR DEALER FOR SIZING ASSISTANCE. A LEAD/LAG CONFIGURATION OR LARGER MEDIA VOLUME MAY BE REQUIRED.

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