

## ISOLUX® Arsenic Removal Systems

- Simple, clean, user-friendly zirconium hydroxide cartridge system
- Simultaneously removes both arsenic III and arsenic V
- No backwashing required!

Quickly pull arsenic out of a water stream with ISOLUX arsenic removal systems. These systems use an NSF 61 zirconium hydroxide powder medium that creates a non-breakable, non-leachable bond with arsenic III and V. The powder form has more surface area than granules, so it can bind to virtually all the arsenic in a water stream in less than 30 seconds—much faster than granular media, which takes 3 to 5 minutes.

Media cartridges weigh 21 lbs, and require only one person for installation and removal. Installation entails simple inlet and outlet connections—the cartridges don't generate a waste stream, so you don't need a sewer hookup. Spent cartridges are non-toxic and can simply be thrown in the trash\*. Cartridge housings feature 304 SS construction with clamp-on lids you can open/close without tools; rated to 150 psi.

Systems are practically maintenance-free and require no backwashing. In many cases, you only need to change cartridges once a year (depending on water quality). Systems up to 25 gpm are furnished as standalone units; 50- and 100-gpm systems are supplied as multi-unit skid systems. Flow rates over 100 gpm are available; call us for details.

**Systems include:** vessel, zirconium hydroxide cartridge(s), 1-micron prefilter with housing, and totalizing flowmeter.

**Ordering information:** A water analysis worksheet must be submitted before we can quote or sell this product. Please contact our Technical Support team for information.

\* **Important:** Due to variances in influent water quality, we strongly recommend obtaining independent verification of the non-hazardous character of spent media cartridges. Additionally, some state and local disposal requirements may differ from federal guidelines (TCLP).



Easy to maintain—cartridges require only one person for installation and removal.



Spent cartridges are nontoxic and can go directly into the trash.\*

<b>Arsenic removal (III &amp; V):</b>	99% to non-detect levels
<b>Cartridge weight:</b>	21 lbs (dry); 35 lbs (wet)
<b>Cartridge dimensions:</b>	4.5"OD x 42"L

MAX FLOW	# CARTRIDGES	HOUSING DIMENSIONS	PRESSURE DROP	STOCK #	EACH
5 gpm	1	6.5"OD x 53"H	30 to 35 psi	74257	\$
10 gpm	2	10"OD x 59"H	30 to 35 psi	74258	
15 gpm	3	10"OD x 59"H	30 to 35 psi	74259	
25 gpm	5	14"OD x 67.38"H	30 to 35 psi	74260	
50 gpm	10	63.56"L x 17.69"W x 72.38"H†	30 to 35 psi	74261	
100 gpm	20	57.88"L x 38.75"W x 72.38"H†	30 to 35 psi	74262	

†Skid and housing.

### Replacement Items & Accessories

DESCRIPTION	STOCK #	EACH
Zirconium Hydroxide Cartridge	74263	\$
ISOLUX Cartridge Adapter	74264	
ISOLUX E-Z Lift Cartridge Handle	74265	
1 micron, 10" Prefilter	74266	
1 micron, 20" Prefilter	74267	
1 micron Filter Bag	74268	

**Quickly pull arsenic out of a water stream!**

## A Short Course on Strainers & Filters

### Strainers

Strainers remove large particles and sediment you can see. Installing strainers ahead of pumps, valves and other installations is a good way to protect them from costly damage. All strainers have baskets or screens you can replace as they wear out.

### Filters

Filters remove particles and sediment too small to see with the naked eye. Some filters can even remove chemicals such as chlorine. Filter cartridges are sized based on flow rate through the filter and the particle size retained. *Nominal ratings* are typical of most filters. While most particles of the specified size will be retained, some larger particles may pass through. *Absolute ratings* indicate the retention of over 99% of particles of their specified size.

Filter Type	Features/Applications
String-wound	economical option for general filtration
Melt-blown	excellent filtration at high flow rates; use for pre-treatment before reverse osmosis systems
Pleated	large surface area provides greater loading capacity and longer life; cleanable and reusable
Activated carbon	adsorbs negatively charged particles and chemicals; use to remove chlorine and many organic compounds affecting water taste/odor (note: does NOT remove minerals or metals)

**IMPORTANT:** Monitoring the pressure before and after your filtration setup is critical, as differential pressure is the best indicator of clogged filters. When differential pressure reaches 25 psid, most manufacturers recommend cleaning or replacing your filter cartridge(s).