



## NSF/ANSI/CAN 61 CERTIFIED

### 7 Standard Sizes Stainless Steel Construction:

	5 GPM	10 GPM	15 GPM	20 GPM	25 GPM	50 GPM	100 GPM
Model No.	ISO-5-SS	ISO-10-SS	ISO-15-SS	ISO-20-SS	ISO-25-SS	ISO-50-SK	ISO-100-SK
Contaminant Removal:	Arsenic III & V (Removes BOTH simultaneously from 99% to non-detect levels)						
Type of Media:	Zirconium						
No. of Cartridges:	1	2	3	4	5	10	20
Empty Bed Contact Time:	27 Seconds						
Typical Media Life:	Change residential application media cartridges annually. Commercial and industrial applications require a complete water analysis review at cartridge change-out.						
Required Maintenance:	<b>NO BACKWASHING</b>						
pH Range:	7 – 8.5 pH						
Pre-filter (included)	10" 1-micron cartridge filter Polypropylene	20" 1-micron cartridge filter Polypropylene	20" 1-micron cartridge filter Polypropylene	20" 1-micron cartridge filter Polypropylene	1-micron, 1 bag bag filter Stainless Steel	1-micron, 1 bag bag filter Stainless Steel	1-micron, 3 bag bag filter Stainless Steel
Cartridge Disposal:	Garbage Bin or Landfill						
Vessel Size:	6.5" OD x 53" H	10" OD x 58" H	10" OD x 58" H	12" OD x 58" H	14" OD x 67-3/8" H	N/A	N/A
Vessel Construction:	100 psi 304 SS	100 psi 304 SS	100 psi 304 SS	100 psi 304 SS	150 psi 304 SS	150 psi 304 SS	150 psi 304 SS
Cartridge Size:	4.5" OD x 42" L						
Cartridge Dry Weight:	21 lbs. (estimated wet weight 35 lbs)						
Shipping Weight:	27 lbs.	71 lbs.	71 lbs.	105 lbs.	330 lbs.	675 lbs.	1,200 lbs.
In/Out Connection:	1.5" FPT	1.5" FPT	1.5" FPT	2" FNPT	2" ANSI Flange	2" ANSI Flange	3" ANSI Flange
Footprint:	0"L x 10"D x 53"H	15"L x 15"D x 59"H	15"L x 15"D x 59"H	18"L x 18"D x 59"H	22"L x 22"D x 67"H	64"L x 18"D x 75"H	58"L x 39"D x 75"H
Min. Req. Headroom: (for cartridge removal)	82"	84"	84"	84"	108"	120"	120"

\* Due to variances in influent water quality, users are urged to perform independent verification of the non-hazardous character of spent media cartridges. Additionally, some states may have disposal criteria different from Federal guidelines (TCLP).

## Commercial / Point-of-Entry Arsenic Removal Systems



**NOW  
NSF/ANSI/CAN 61  
CERTIFIED**

The Choice is Clear.  
**ISOLUX**<sup>®</sup>  
Arsenic Removal Systems

Freestanding and Multi-Vessel Skids

Manufactured by Applied Process Equipment, Inc.

FOR ADDITIONAL INFORMATION  
OR QUOTES, CONTACT:

### APPLIED PROCESS & EQUIPMENT

9332 North 95th Way, Suite B106  
Scottsdale, AZ 85258  
www.apewater.com/isolux  
480-998-4097 sales@apewater.com



ISO-05-SS, ISO-10-SS, ISO-15-SS, ISO-20-SS, ISO-25-SS, ISO-50-SK and ISO-100-SK have been certified by IAPMO R&T against standard NSF/ANSI/CAN 61 and 372 for material safety and lead free requirements. Not certified for contaminant reduction or structural integrity by IAPMOR&T.

www.isolux-arsenicremoval.com

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Arsenic Removal Systems

Manufactured by Applied Process Equipment, Inc.



# ISOLUX<sup>®</sup> Arsenic Removal The Choice is CLEAR.

ISOLUX<sup>®</sup> has been proven highly effective in solving arsenic problems for small water systems.

ISOLUX<sup>®</sup> typically offers the lowest Total Cost of Ownership considering upfront capital costs and ongoing operation and maintenance.

We are the clear arsenic treatment choice for small water systems up to 500 gpm, such as rural utilities, schools, hotels and casinos, RV parks, subdivisions or multi-user wells.

In EPA Small Systems demonstration studies for arsenic removal, the ISOLUX<sup>®</sup> Zirconium adsorption technology delivered outstanding TCO cost and performance results versus E33 Ferric Oxide and GFH Ferric Hydroxide medias.

## WORRIED ABOUT MEETING ENVIRONMENTAL REGULATIONS?

Need a minimal maintenance system that's not going to break your budget? Call us. Let's take a look at your water analysis and get started.



- NO BACKWASHING REQUIRED
- Removes Arsenic III & V Simultaneously
- Unparalleled Non-leachable Arsenic Bond
- 99% to Non-detect Arsenic Removal\*\*
- NSF 61 Certified Media (certified separately)



ISOLUX<sup>®</sup> Filter cartridges weigh only 21 lbs. and can be installed by one person.



Housings feature clamp-on lids. No tools required.



Spent cartridges are safely disposed of in the trash bin.

ISOLUX<sup>®</sup> Arsenic Removal Systems were designed for exceptional performance and convenience with easy to handle media cartridges in stainless steel housings. The patented ISOLUX<sup>®</sup> Zirconium adsorption media forms an immediate non-leachable bond that removes Arsenic III and V simultaneously. And, given water conditions, ISOLUX<sup>®</sup> can dependably deliver Arsenic removal performance from 99% to non-detect.\*\*

ISOLUX<sup>®</sup> cartridges are fully sealed, avoiding direct contact with any messy media. There's practically no maintenance beyond periodic water testing and one-man cartridge replacement.

Lastly, the Arsenic adsorbed by ISOLUX<sup>®</sup> remains fixed, even in acidic or alkaline environments. ISOLUX<sup>®</sup> always passes the US EPA TCLP test as non-hazardous for landfill or garbage bin spent cartridge disposal.\*

**NSF 61 CERTIFIED  
DROP-IN-READY SYSTEMS**

## Unmatched Quality & Convenience

ISOLUX<sup>®</sup> Cartridge skids and freestanding systems are now NSF/ANSI/CAN 61 certified for potable drinking water. All standard ISOLUX<sup>®</sup> systems are NSF 61 certified as packages that include 304 stainless steel housings with stainless steel or polypropylene pre-filters and easy to use ISOLUX<sup>®</sup> cartridges.

## Full Range of System Sizes

With 5, 10, 15, 20 & 25 GPM systems and 50 and 100 GPM skids that can be multi-unit configured. There is an ISOLUX<sup>®</sup> Arsenic Removal system solution for small to medium scale water treatment applications under 1-million gallons per day.

## Fast, Simple Installation

ISOLUX<sup>®</sup> Skid Systems are predesigned for reduced up-front engineering expense. Onsite mechanical and plumbing work is minimal, and typically no electrical service or sewer hook-up is required. With simple inlet/outlet flange connections and preplumbed piping sub-assemblies, in many cases, an ISOLUX<sup>®</sup> Skid System can be completely assembled and ready to hook-up to your water supply in less than a day.

## No Complicated Maintenance

Maintenance is minimal. There is no backwashing. No wastewater or spent media to dispose of, just periodic, one-man cartridge replacement. Multi-vessel or skid configurations can also allow continuous operation during cartridge change-out. No maintenance downtime!

## Small Footprints

ISOLUX<sup>®</sup> Cartridge Skid Systems don't require large storage tanks like other bulk media water treatment systems. Footprints for 50 GPM skids are roughly 5 ft. long by 1-½ ft. deep, and the 100 GPM skids are only 5 ft long by 3 ft deep.



MODEL: ISO-100-SK  
100 GPM SKID SYSTEM with Prefilter and Optional Piping Sub-assemblies\*\*\*



MODEL: ISO-15-SK  
50 GPM SKID SYSTEM with Prefilter and Optional Piping Sub-assemblies\*\*\*



FREESTANDING 5/10/15/20/25 GPM Systems with PreFilters  
MODEL: ISO-25-SS, ISO-20-SS, ISO-15-SS, ISO-10-SS, ISO-5-SS

\* Due to variances in influent water quality, users are urged to perform independent verification of the non-hazardous character of spent media cartridges. Additionally, some states may have disposal criteria different from Federal guidelines (TCLP). \*\* Verified by manufacturer's internal testing. \*\*\* Optional piping sub-assembly components certified separately.

**ISOLUX<sup>®</sup>**  
Arsenic Removal Systems  
Manufactured by Applied Process Equipment, Inc.