

# POU CARTRIDGE FOR ARSENIC REDUCTION

## High Performance Point-of-Use Solutions

AdVantEdge has two POU cartridges for arsenic reduction. These products are the most cost-effective technology to date to meet the challenges of the 10 micrograms per liter ( $\mu\text{g/l}$ ) drinking water standard for arsenic established by EPA. Products incorporate a proprietary iron oxide media for long life and high performance. Cartridges effectively reduce both Arsenic (V) and Arsenic (III) without pre-oxidation. Ideal applications include under-counter and countertop POU systems. The standard Model AD2710S has been optimized for extended life and fits most standard and slimline 10 inch housings. The AD2710S is designed to treat 50  $\mu\text{g/l}$  of total arsenic to less than 10  $\mu\text{g/l}$  (based on pH 8.5, Arsenic (V) challenges using NSF 53 protocols). The AD4510S version is a 4.5 x 10 inch BB size cartridge designed for tackling higher arsenic concentrations above 50  $\mu\text{g/l}$ . Both are filled with 100% Adedge Technologies AD33 arsenic reduction media for maximum performance.

**Model:  
AD2710S**

**Model:  
AD4510S**

### CARTRIDGE PERFORMANCE



<b>Applications</b>	Ideal for Under-counter or countertop POU systems <b>Model AD2710S:</b> 50 $\mu\text{g/l}$ of arsenic, 0.5 gpm flow, pH 6.5-8.5 <b>Model AD4510S:</b> 100 $\mu\text{g/l}$ of arsenic, 1,000 gallon capacity, 0.5 gpm flow, pH 6.5-8.5 <b>Model AD4150S:</b> 50 $\mu\text{g/l}$ of arsenic, 3,000 gallon capacity, 0.5 gpm flow, pH 6.5-8.5
<b>Arsenic Reduction Capacity</b>	Reduction of up to 99% of total arsenic. Effective for both As (III) & As (V). 1000 – 3,000 gallons; 4-6 times longer life than other commercial adsorption options (conservative rating at pH 8.5)
<b>Certifications</b>	NSF 61 product listing on Media (see Adedge for details).
<b>Components</b>	FDA listed components
<b>Extractables</b>	Imparts no harmful chemicals into the treated product water

### TECHNICAL SPECIFICATIONS

<u>General Specifications</u>	<u>Model AD2710S</u>	<u>Model AD4510S</u>
Dimensions	2.75 x 9.75 inch	4.5 x 9.75 inch
Media type(s)	Custom AD33L Iron Oxide	Custom AD33L Iron Oxide
Contaminant Reduction	Arsenic (V) and (III)	Arsenic (V) and (III)
Cartridge Life	1,000 gallons	1,000 gallons up to 100 $\mu\text{g/l}$ arsenic 3,000 gallons up to 50 $\mu\text{g/l}$ arsenic
Cartridge shell	FDA grade Polyethylene	FDA grade Polyethylene
Micron rating	25 Micron Nominal	25 Micron Nominal
Pressure drop	< 8 psi at 0.5 gpm Fits most conventional housings – consult your AdvantEdge Distributor for details	< 8 psi @ 0.5 gpm Fits most conventional housings - consult your AdvantEdge Distributor for details
Housings		

### Recommended Water Quality for Best Performance

pH	6.5 – 8.5	Arsenic	50 or 100 $\mu\text{g/l}$ (see above)	Phosphate	< 0.5 mg/l
Iron	< 0.5 mg/l	Silica	< 30 mg/l	Sulfides	< 0.1 mg/l
Manganese	< 0.05 mg/l	Sulfate	< 100 mg/l	Fluoride	< 1 mg/l



ADVANTEDGE POU

Contact your local dealer:

**ADVANT  
EDGE**

AdEdge Y æ! ÁTechnologies, ŠŠŎ  
2055 Boggs Road  
Duluth, Georgia 30096  
(866) 823-3343 (678) 835-0057 Fax [8668233343](tel:8668233343)  
[www.advantedgewater.com](http://www.advantedgewater.com)