

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 AD33L arsenic reduction media for maximum performance.

Model:
AD2710S

Model:
AD4510S



CARTRIDGE PERFORMANCE

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

TECHNICAL SPECIFICATIONS

General Specifications

Dimensions	Model AD2710S 2.75 x 9.75 inch
Media type(s)	Custom AD33L Iron Oxide
Contaminant Reduction	Arsenic (V) and (III)
Cartridge Life	1,000 gallons
Cartridge shell	FDA grade Polyethylene
Micron rating	25 Micron Nominal
Pressure drop	< 8 psi at 0.5 gpm Fits most conventional housings – consult your AdVantEdge Distributor for details
Housings	

Model AD4510S

Dimensions	4.5 x 9.75 inch
Media type(s)	Custom AD33L Iron Oxide
Contaminant Reduction	Arsenic (V) and (III)
Cartridge Life	3,000 gallons
Cartridge shell	FDA grade Polyethylene
Micron rating	25 Micron Nominal
Pressure drop	< 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

Contact your local dealer:



**ADVANT
EDGE**

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