

# POU CARTRIDGE FOR ARSENIC

## The Ultimate Point-of-Use System

Adedge Technologies, Inc. is introducing a new multi-functional POU cartridge for arsenic reduction. This product uniquely combines high efficiency arsenic reduction and taste/odor capabilities for a practical and cost-effective solution at the tap. Adedge's design utilizes its proprietary iron oxide adsorption media for long life and unparalleled performance to meet the challenges of the new 10 micrograms per liter ( $\mu\text{g/l}$ ) drinking water standard for arsenic established by EPA. The product effectively reduces both Arsenic (V) and Arsenic (III) without pre-oxidation. Ideal applications include under-counter and countertop POU systems.



### CARTRIDGE PERFORMANCE

<b>Applications</b>	Up to 50 $\mu\text{g/l}$ of arsenic, rated flow 0.5 gpm, pH 6.5-8.5 Ideal for under-counter or countertop POU systems.
<b>Arsenic Reduction</b>	Reduction of up to 99% of total Arsenic Effective for both As (III) & As (V).
<b>Capacity</b>	800 gallons (approx. 1 year); 4-6 times longer life than other commercial adsorption options (conservative rating at pH 8.5)
<b>Contaminants</b>	Arsenic, chlorine, taste, and odor reduction.
<b>Certifications</b>	NSF 61 product listing on Media (see AdEdge for details).
<b>Components</b>	FDA listed components
<b>Secondary Benefits</b>	Effective for reducing lead, chromium, cadmium, molybdenum, zinc, and antimony
<b>Extractables</b>	Imparts no harmful chemicals into the treated product water

The Adedge Technologies Model AD-2710C 10-inch cartridge is designed to treat up to 50  $\mu\text{g/l}$  of total arsenic to less than 10  $\mu\text{g/l}$  with a typical 1 year life (based on pH 8.5, Arsenic (V) challenges using NSF 53 protocols). This unique combination of Adedge Technologies AD33L arsenic reduction media and granular activated carbon enable multiple functionality for arsenic reduction and better tasting water at the point-of-use.

### TECHNICAL SPECIFICATIONS

General Specifications		Model AD-2710C	
Dimensions		2.75 x 9.75-inch	
Media type(s)		AD-33L Iron Oxide and GAC	
Contaminant Reduction		Arsenic, Chlorine reduction, Taste/odor	
Cartridge Life		800 gallons	
Cartridge shell		FDA grade Polyethylene	
Micron rating		25 Micron Nominal	
Pressure drop		< 8 psi @ 0.5 gpm	
Housings		Fits most conventional housings – consult your AdEdge Distributor for details	
Recommended Water Quality for Best Performance			
pH	6.5 – 8.5	Arsenic up to 50 $\mu\text{g/l}$	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:



Model:  
AD2710C

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