

DI-tech[®] DI Series • for High Purity De-ionized process water (black resin)

UXC-08BH Plus High Purity Uniform Bead Grade Cation Resin

DI-tech UXC-08BH Plus is a styrenic strong acid cation resin that is fully regenerated (99% H+) and ready to use for high purity applications. It is well rinsed to very low TOC for most pure water needs. It is made from size controlled uniform bead dark colored SAC for easy separation and visual recognition when used in mixed bed applications. It is specially processed for low residual organics and sodium reduction and is ideal for portable exchange, single use, nuclear clean up and cartridge applications.

Physical and Chemical Properties

Polymer Structure:	Sulfonated styrene/divinylbenzene copolymer
Functional Groups	Sulfonic acid
Ionic Form as Shipped:	Hydrogenl (H+)
Physical Form:	Tough, spherical dark colored beads
Total Capacity	1.9 meq/ml (H+ form) 41.5 Kgr/cu ft
Screen Size Distribution:	
+16 mesh (U.S. Std.)	Less than 1%
-20+40 mesh	98%
-40+50 mesh	Less than 1%
Uniformity Coefficient	1.2 (max)
Moisture Content	(H+) 50-55%
pH Range Stability	0-14
Temperature Limits	120°C (250°F) H form
Shipping Weight:	48--50 lbs per cubic ft
Packaging	28.32 liter (1 cu ft) bags

Chemical Stability

DI-tech UXC-08BH Plus is insoluble in moderately concentrated acids, alkalis and in most common solvents. Long term exposure should be avoided as this can cause a rapid exposure to strong oxidizers such as chlorine, peroxide or ozone will break down the cross-linking in the resin over time which leads to swelling, breakage and capacity loss.

Safety Information

A material safety data sheet is available for DI-tech UXC-08 BH+. Copies can be obtained from WECO Filters (phone 888-675-5187). DI-tech UXC-08BH Plus is not a hazardous product and is not WHMIS controlled.

Caution: Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Before using strong oxidizing agents in contact with ion exchange resin, consult sources knowledgeable in the handling of these materials.

UXC-08BH Plus Features and Benefits

Very Low Residual Extractable Organic

Special manufacturing conditions ensure very low organics and rapid rinse up in service. Rinses to <20 ppb TOC after 50BV rinse.

For optimal mixed bed performance.

UXC-08BH Plus is highly purified by a special manufacturing processes to assure very low TOC leakage plus very low taste and odor which make it ideal for PEDI, lab and cartridge needs when made into mixed bed. It is readily identifiable in bulk because of its dark color and ideally suited for use in PEDI mixed beds when paired with gold anion.

Uniform Particle Size

98% of all beads in **DI-tech UXC-08BH Plus** are in the minus 20 to plus 40 mesh range: giving a lower pressure drop while maintaining the superior kinetics of standard mesh size products. This also leads to very efficient separation of mixed beds prior to regeneration due to both color and density differential.

Superior Physical Stability

The 99% plus sphericity and toughness of **DI-tech UXC-08BH Plus** together with a more uniform particle size provide greater resistance to bead breakage while maintaining low pressure drop.

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