CG8-H-BL-UPS

Strong acid black cation resin, styrene/DVB 8% crosslinked gel, uniform particle size, hydrogen form

ResinTech CG8-H-BL-UPS is a uniform particle size strong acid cation resin in the hydrogen form. It is dark-colored and made from an 8% crosslinked gel. It is intended for use in all industrial applications that require a hydrogen form cation resin. CG8-H-BL-UPS is recommended for countercurrently regenerated systems such as packed beds and for mixed beds where its dark color makes visual identification of the cation/anion interface plainly evident. The uniform beads and somewhat smaller harmonic mean size yield minimal pressure loss and better regeneration efficiency compared to resins with Gaussian size distribution.

FEATURES & BENEFITS

- Uniform particle size
- Industrial demineralizing applications
- Low color throw
- Superior physical stability

APPLICATIONS

- Packed Beds
- Demineralization / DI
- Mixed Bed Components

REACH Registered

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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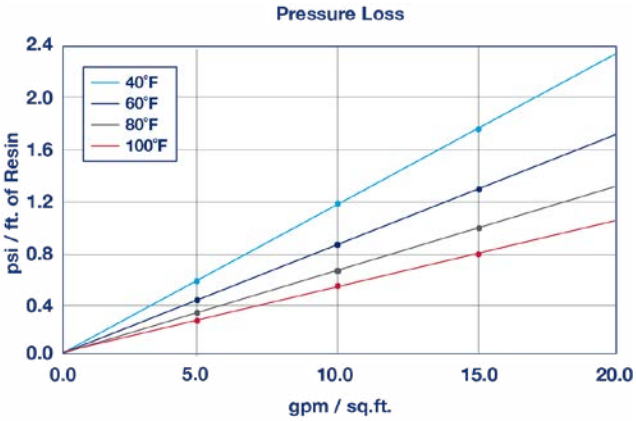
CG8-H-BL-UPS

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydrogen (H^+)
Functional Group	Sulfonic Acid
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	20 (841) to 40 (400)
< 50 mesh (300 µm) %	< 0.5%
Minimum Sphericity (%)	95
Reversible Swelling	5 to 9% (Na → H)
Uniformity	UPS
Uniformity Coefficient	1.25
Capacity (meq/mL)	1.80
Moisture Retention (%)	47 to 56
Shipping Weight	49 - 51 lbs/cu.ft. (785 - 817 g/L)
Color	Dark Brown to Black
Regenerable	Regenerable

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech CG8-H-BL-UPS per foot of bed depth as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	265°F (129°C)
Minimum Bed Depth	24 in. (61.0 cm)
Maximum Pressure Loss	25 psi (172 kPa)
Backwash Expansion (%)	25 to 50
Operating pH Range	0 to 14
Flow Rate	
Working Service	1-10 gpm/cu.ft. (8-80 BV/h)

REGENERATION DETAILS

Hydrogen Cycle (H2SO4)	1 to 8%
Hydrogen Cycle (HCl)	5 to 10%
Regenerant Level	4-15 lbs/cu.ft. (64.1-240.3 g/L)
Regenerant Flow Rate	0.5-1.5 gpm/cu.ft. (4-12 BV/h)
Regenerant Contact Time	> 20 minutes
Displacement Flow Rate	Same as dilution water
Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Rinse Flow Rate	Same as service flow
Rinse Volume	35-60 gals/cu.ft. (5-8 BV)

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PACKAGING

Standard

42 cu.ft. Supersack | 7 cu.ft. Drum
1 cu.ft. Bag | 5 cu.ft. Drum

Metric

25L Bag | 140L Drum

SAFETY DATA SHEETS (SDS)

Safety Data Sheets (SDS) are available for all products on the ResinTech website. They contain important health and safety information that may be needed to protect your employees and customers from any known health and safety hazards associated with our products. We recommend that you secure and study the pertinent MSDS for our products and any other products being used.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith.
However we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents; further we assume no liability for the consequences of any such actions.

Safety Data Sheets (SDS) are available at resintech.com

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