

CG8-H-ID

Color-indicating strong acid cation resin, styrene/DVB 8% crosslinked gel, hydrogen form

ResinTech CG8-H-ID is a color-indicating 8% crosslinked gel strong acid cation resin in the hydrogen form. It is dyed with a permanent purple dye that changes from purple to amber as the resin exhausts. CG8-H-ID is intended for use in cation conductivity monitors or other applications where a visual indication of cation resin exhaustion is desired.



FEATURES & BENEFITS

- Color-indicating
- Hydrogen form
- Cation conductivity monitoring
- Optimized particle size for use in cartridges

APPLICATIONS

- Cation Conductivity
- Color-Indicating Applications
- Demineralization / DI
- Cartridge Applications

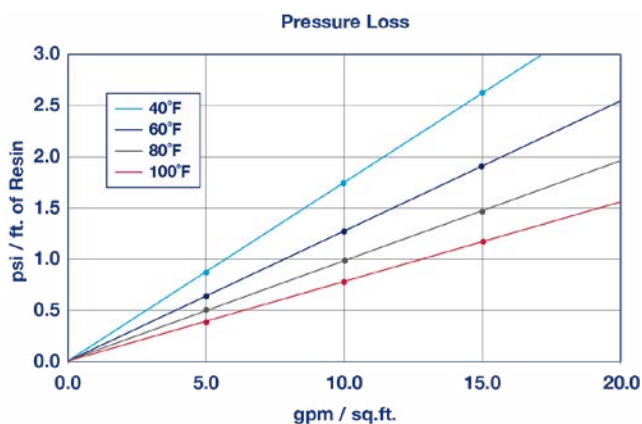


REACH Registered

CG8-H-ID

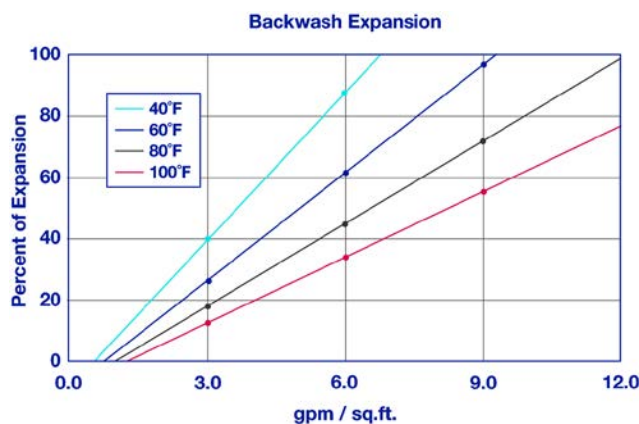
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	85
Polymer Type	Gel	Reversible Swelling	5 to 9% (Na → H)
Ionic Form (as shipped)	Hydrogen (H ⁺)	Uniformity	Gaussian
Functional Group	Sulfonic Acid	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Capacity (meq/mL)	1.80
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	47 to 56
< 50 mesh (300 µm) %	< 1%	Shipping Weight	49 - 51 lbs/cu.ft. (785 - 817 g/L)
		Color	Amber to Brown

PRESSURE LOSS



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

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech CG8-H-ID as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

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

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](https://www.resintech.com)

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