

# PRODUCT SPECIFICATION SHEET

## MAGNA CG8-H-ID

STRONG ACID CATION

COLOR INDICATING  
POLYSTYRENIC GEL  
8% CROSSLINKED  
HYDROGEN FORM

ResinTech CG8-H-ID is a color-indicating 8% cross-linked 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 from the hydrogen to the neutral salt form. CG8-H-ID is intended for use in applications where a visual indication of cation resin exhaustion is desired.

### APPLICATIONS

- Cartridges (Color-Indicating)
- Cation Conductivity
- Color-Indicating Mixed Beds

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
<b>Polymer Matrix</b>	Styrenic Gel
<b>Ionic Form</b>	Hydrogen
<b>Functional Group</b>	Sulfonic Acid
<b>Physical Form</b>	Spherical Beads
<b>Particle Size</b>	16 to 50 US Mesh (297 - 1190 µm)
<b>% &lt; 50 mesh (300µm)</b>	< 1%
<b>Minimum Sphericity</b>	85%
<b>Uniformity Coefficient</b>	1.6
<b>Reversible Swelling</b>	H to Na -5% to -8%
<b>Temp Limit</b>	265°F (129°C)
<b>Capacity (meq/mL)</b>	1.8
<b>Moisture Retention</b>	43% to 58%
<b>Shipping Weight</b>	49 - 51 lbs/ft <sup>3</sup> (785 - 817 g/L)
<b>Color</b>	Purple
<b>Regenerability</b>	Yes

### PACKAGING OPTIONS

- 1 ft<sup>3</sup> bags
- 1 ft<sup>3</sup> boxes
- 1 ft<sup>3</sup> drums
- 7 ft<sup>3</sup> drums
- 42 ft<sup>3</sup> supersacks

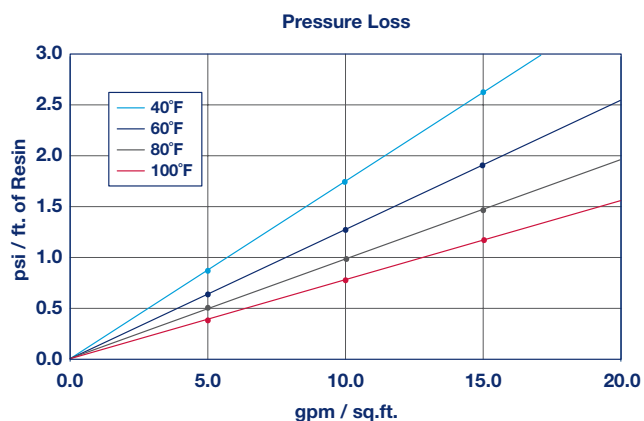
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### SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	
Hydrogen form	190°F
Maximum pressure loss	25 psi
Service flow rate	1 to 10 gpm/cu.ft.

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.

For operation outside these guidelines, contact ResinTech Technical Support

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