CG10-HP

Strong acid cation resin, styrene/DVB 10% crosslinked gel, high purity, sodium form

ResinTech CG10-HP is a premium grade, high purity strong acid cation resin in the sodium form. It is amber in color and made from a 10% crosslinked gel. CG10-HP offers high resistance to physical, thermal, and chemical degradation. Gold Seal Certified by the WQA for use in potable water applications, it is intended for use when the importance of durability and high capacity outweigh the higher amounts of chemicals needed for regeneration.

FEATURES & BENEFITS

- 10% divinylbenzene
- Low color throw
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- Drinking Water Purification
- Softening

Meets NSF/ANSI/CAN 61
Meets NSF/ANSI/CAN 372
REACH Registered
Kosher Certified
Halal Certified

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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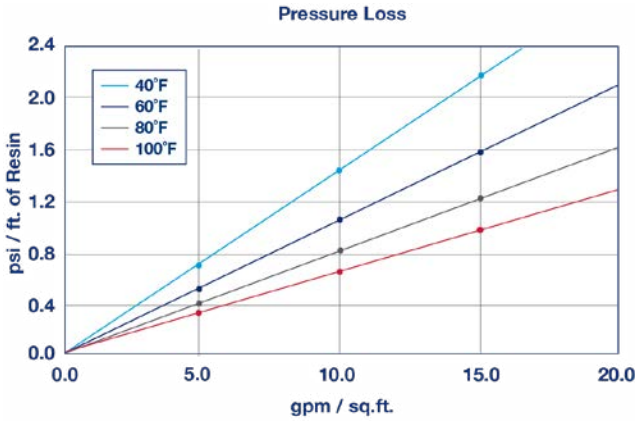
CG10-HP

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Sodium (Na^+)
Functional Group	Sulfonic Acid
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	16 (1190) to 50 (297)
< 50 mesh (300 µm) %	< 1%
Minimum Sphericity (%)	93

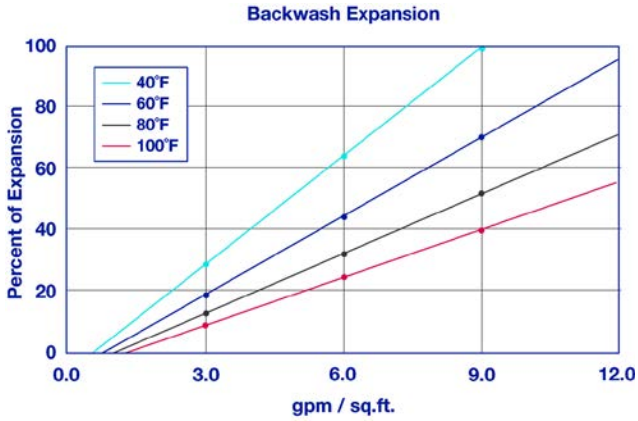
Reversible Swelling	4 to 8% (Na → H)
Uniformity	Gaussian
Uniformity Coefficient	1.60
Capacity (meq/mL)	2.20
Moisture Retention (%)	39 to 45
Shipping Weight	52 - 54 lbs/cu.ft. (833 - 865 g/L)
Color	Amber
Regenerable	Regenerable

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech CG10-HP 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 CG10-HP 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

Salt Cycle (NaCl)	10 to 15%
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

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

Metric

140L Drum | 200L 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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