

PRODUCT SPECIFICATION SHEET

MAGNA

WACG-HP

WEAK ACID CATION

**HIGH-PURITY GRADE
ACRYLIC GEL
HYDROGEN FORM**

ResinTech WACG-HP is a high-purity buffered form gel weak acid cation resin. The HP (high purity) designation means it is Gold Seal Certified by the WQA for use in potable water applications. It is pH buffered with sodium ions to avoid producing a low pH when first placed in use. WACG-HP is intended for all weak acid cation applications and is recommended for cartridge use where potable water certification is required.

APPLICATIONS

- Lead Removal
- Iron Removal
- Water for Beverages

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Acrylic Gel
Ionic Form	Hydrogen
Functional Group	Carboxylic Acid
Physical Form	Spherical Beads
Particle Size	16 to 50 US Mesh (297 - 1190 µm)
% < 50 mesh (300µm)	< 1%
Minimum Sphericity	93%
Uniformity Coefficient	1.7
Reversible Swelling	H to Na 80% to 100%
Temp Limit	212°F (100°C)
Capacity (meq/mL)	4.2
Moisture Retention	43% to 60%
Shipping Weight	46 - 48 lbs/ft ³ (737 - 769 g/L)
Color	White to Cream
Regenerability	Yes

CERTIFICATIONS

- WQA Gold Seal
- Kosher Certified

PACKAGING OPTIONS

- 500 ml samples
- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks



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Revision 1.0

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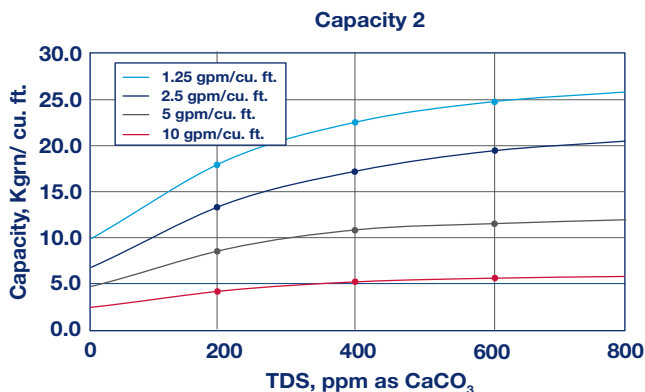
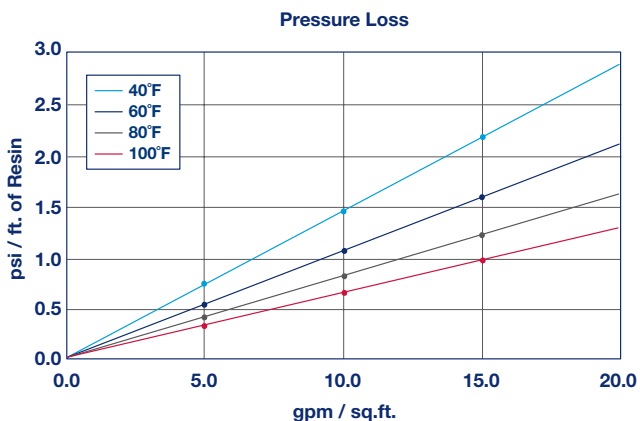
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INNOVATIONS IN ION EXCHANGE

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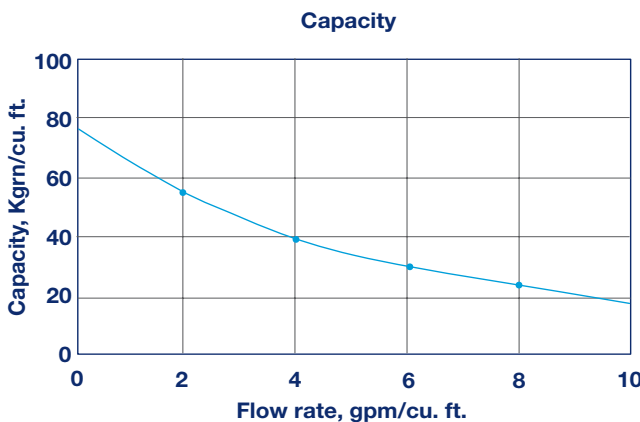
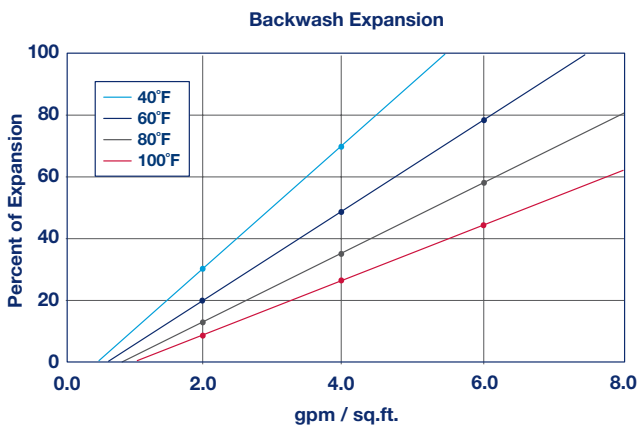
WACG-HP

STRONG ACID CATION

HIGH-PURITY GRADE
ACRYLIC GEL
HYDROGEN FORM



Caes 2: For alkalinity when alkalinity exceed hardness; for hardness when hardness exceeds alkalinity.



Caes 1: For Hardness when alkalinity exceed hardness; for alkalinity when hardness exceeds alkalinity.

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SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	180°F
Sodium form	180°F
Minimum bed depth	30 inches
Backwash expansion	25 to 50 percent
Minimum operating pH	>5 SU
Regenerant Concentration	
Hydrogen cycle	1 to 5 percent HCl
Hydrogen cycle	0.8 to 8 percent H ₂ SO ₄
Regenerant level	Approx 120% of theoretical
Regenerant flow rate	0.3 to 1.5 gpm/cu.ft.
Regenerant contact time	>30 minutes
Displacement flow rate	Same as dilution water
Displacement volume	10 to 15 gallons/cu.ft.
Rinse flow rate	Same as service flow
Rinse volume	35 to 60 gallons/cu.ft.
Service flow rate	1 to 5 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

