PRODUCT SPECIFICATION SHEET

MAGNA

WACMP-Na

WEAK ACID CATION

ACRYLIC MACROPOROUS
SODIUM FORM

ResinTech WACMP-Na is a sodium form gel weak acid cation resin. It is fully converted into sodium form to take advantage of weak acid cation resin ion exchange properties. WACMP-Na is intended for use in high TDS softening and for metal removal in waste treatment applications.

APPLICATIONS

- Partial Hardness Removal
- Metal Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Acrylic Macroporous
Ionic Form	Sodium
Fuctional Group	Carboxylic Acid
Physical Form	Spherical Beads
Particle Size	16 to 50 US Mesh (297 - 1190 µm)
% < 50 mesh (300µm)	≤ 1%
Minimum Sphericity	90%
Uniformity Coefficient	1.7
Reversible Swelling	H to Na 50% to 60%
Temp Limit	180°F (82°C)
Capacity (meq/mL)	2.5
Moisture Retention	43% to 60% H form
Shipping Weight	45 - 47 lbs/ft³ (721 - 753 g/L)
Color	White to Cream
Regenerability	Yes

DISTRIBUTED BY
APACHE CHEMICALS CORP., LLC.
WWW.APACHECHEMICALS.COM

PACKAGING OPTIONS

- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

MADE IN AMERICA

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

Revision 1.0
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CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 FAX 856.768.9601 EMAIL info@resintech.com WEB resintech.com

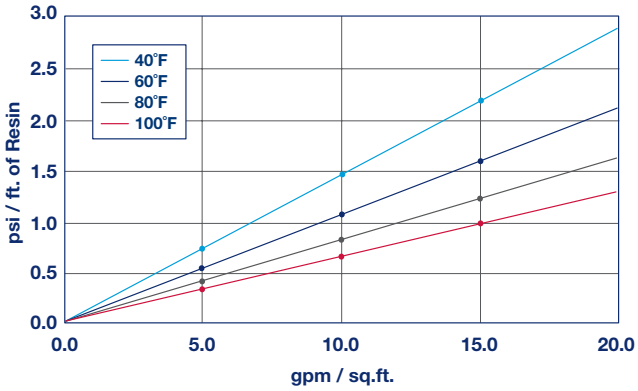
MAGNA

WACMP-Na

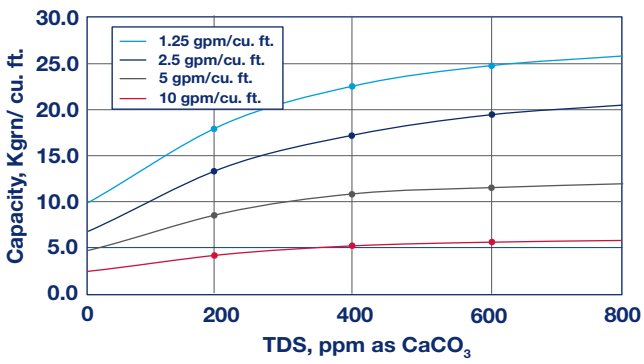
STRONG ACID CATION

ACRYLIC MACROPOROUS
HYDROGEN FORM

Pressure Loss

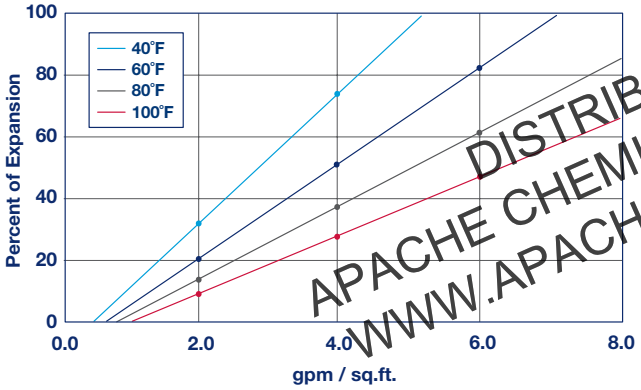


Capacity 2

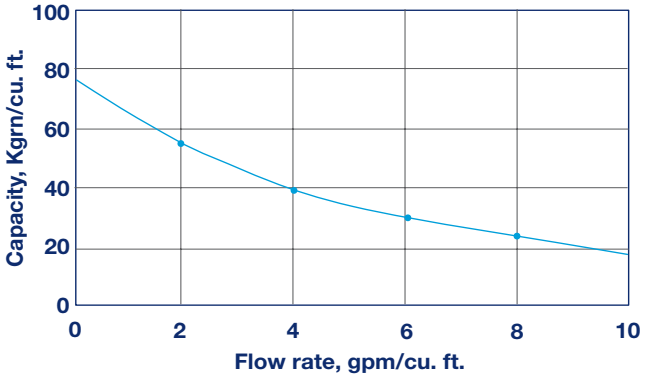


Caes 2: For alkalinity when alkalinity exceed hardness; for hardness when hardness exceeds alkalinity.

Backwash Expansion



Capacity



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

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SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	
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_2SO_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 volumet	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

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