

PRODUCT SPECIFICATION SHEET

MAGNA WACMP

WEAK ACID CATION

ACRYLIC MACROPOROUS
HYDROGEN FORM

ResinTech WACMP is a hydrogen form macroporous weak acid cation resin. It has exceptionally high capacity and can be regenerated at close to 100% acid efficiency but is limited to use in alkaline waters with pH greater than 7. WACMP is intended for hardness removal from waters that contain significant alkalinity and for demineralization where the use of a weak acid cation resin is required.

APPLICATIONS

- Partial Hardness Removal
- Metal Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

Polymer Matrix	Acrylic Macroporous
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 50% to 60%
Temp Limit	212°F (100°C)
Capacity (meq/mL)	4.0
Moisture Retention	43% to 60%
Shipping Weight	46 - 48 lbs/ft ³ (737 - 769 g/L)
Color	White to Cream
Regenerability	Yes

CERTIFICATIONS

Kosher Certified

PACKAGING OPTIONS

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

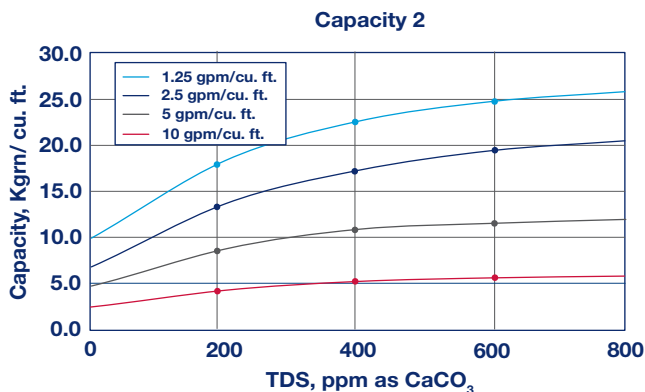
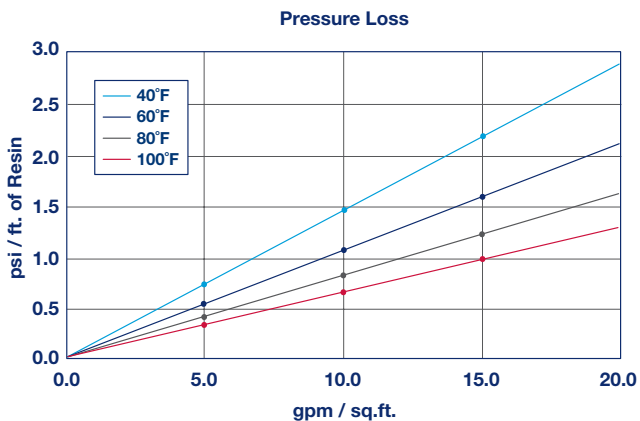
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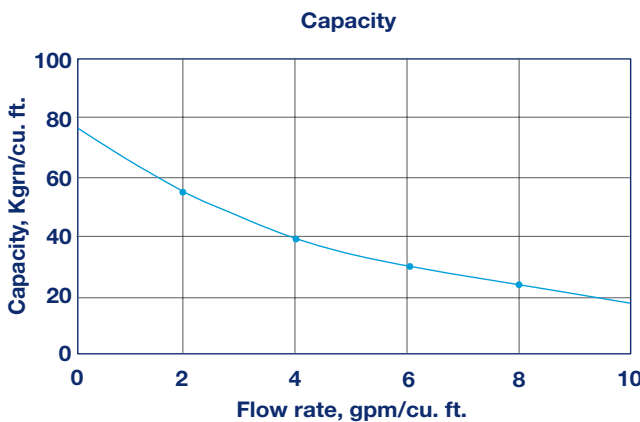
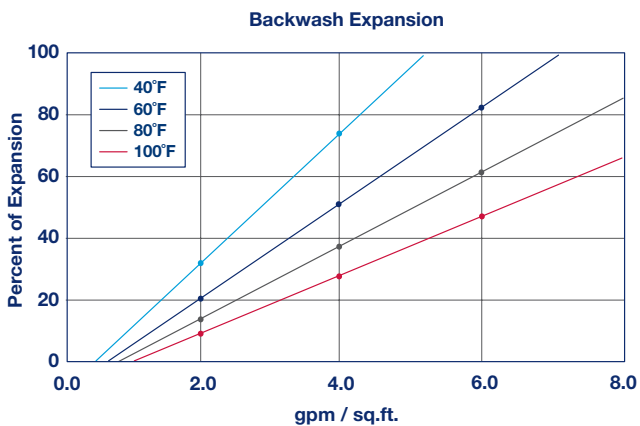
MAGNA WACMP

STRONG ACID CATION

ACRYLIC MACROPOROUS
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	212°F
Hydrogen form	30 inches
Minimum bed depth	25 to 50 percent
Backwash expansion	>5 SU
Minimum operating pH	1 to 5 percent HCl
Regenerant Concentration	0.8 to 8 percent H ₂ SO ₄
Hydrogen cycle	Approx 120% of theoretical
Hydrogen cycle	0.3 to 1.5 gpm/cu.ft.
Regenerant level	>30 minutes
Regenerant flow rate	Same as dilution water
Regenerant contact time	10 to 15 gallons/cu.ft.
Displacement flow rate	Same as service flow
Displacement volume	35 to 60 gallons/cu.ft.
Rinse flow rate	1 to 5 gpm/cu.ft.
Rinse volumet	
Service flow rate	

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

