WACMP-Na

Grade: Standard

Weak acid cation resin, acrylic/DVB 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 metals removal in waste treatment applications.

FEATURES & BENEFITS

- Macroporous structure
- High regeneration efficiency
- Superior physical stability
- Controlled particle size
- Complies with US FDA regulations

APPLICATIONS

- pH Correction of Acidic Waters
- Acid Adsorption
- Lead Removal
- Temporary Hardness Removal

PHYSICAL PROPERTIES

Polymer Matrix	Acrylic/DVB
Polymer Type	Macroporous
Ionic Form (as shipped)	Sodium (Na^+)
Functional Group	Carboxylic Acid
Physical Form	Spherical Beads
Uniformity Coefficient	1.60
Particle Size	16-50 US mesh (297-1190µm)
< 50 mesh (300 µm) %	< 1%
Minimum Sphericity (%)	93
Reversible Swelling	50 to 60% (H → Na)
Capacity (meq/mL)	2.50
Moisture Retention (%)	43 to 60
Shipping Weight	47 - 49 lbs/cu.ft. (753 - 785 g/L)
Color	White to Cream
Regenerable	Regenerable

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	180°F (82°C)
Minimum Bed Depth	24 in. (61.0 cm)
Flow Rate	
Working Service	1-5 gpm/cu.ft. (8-40 BV/h)

REGENERATION DETAILS

Hydrogen Cycle (H2SO4)	0.8 to 8%
Displacement Flow Rate	Same as dilution water
Displacement Volume	10-15 gals/cu.ft. (1-2 BV)

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

RESINTECH INC.
INNOVATIONS IN ION EXCHANGE

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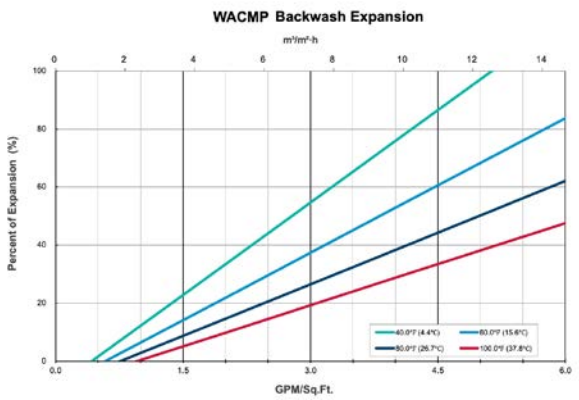
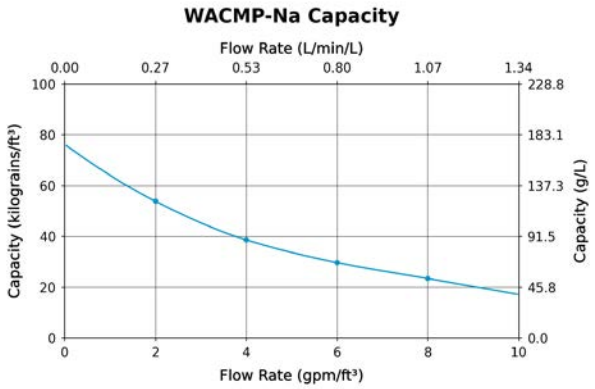
BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech WACMP-Na as a function of flow rate at various temperatures.

CAPACITY



Capacity and leakage data are based on the following: 2:1 Ca:Mg ratio, 500 ppm TDS as CaCO3, 0.2% hardness in the salt and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.

CERTIFICATIONS

Meets NSF/ANSI/CAN 61

REACH Registered

PACKAGING

Standard

1 cu.ft. Bag | 42 cu.ft. Supersack
25 L bag | 1000 L Supersack

Metric

5 cu.ft. Drum | 7 cu.ft. Drum
140L Drum | 200L Drum

Shipping Weight

47 - 49 lbs/cu.ft. (753 - 785 g/L)

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets (MSDS) 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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