WACMP-CA-HP

Grade: High Purity

Weak acid cation resin, acrylic/DVB gel, high-purity, calcium form

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

FEATURES & BENEFITS

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

APPLICATIONS

- Cartridge Applications
- Drinking Water Purification
- Lead Removal
- Scale Control
- Softening

PHYSICAL PROPERTIES

Polymer Matrix	Acrylic/DVB
Polymer Type	Macroporous
Ionic Form (as shipped)	Calcium (Ca)
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
Moisture Retention (%)	43 to 60
Shipping Weight	45 - 47 lbs/cu.ft. (721 - 753 g/L)
Color	White to Cream

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	212°F (100°C)
Minimum Bed Depth	24 in. (61.0 cm)
Operating pH Range	6.0 to 9.0
Flow Rate	
Working Service	1-5 gpm/cu.ft. (8-40 BV/h)

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

RESINTECH INC.
INNOVATIONS IN ION EXCHANGE

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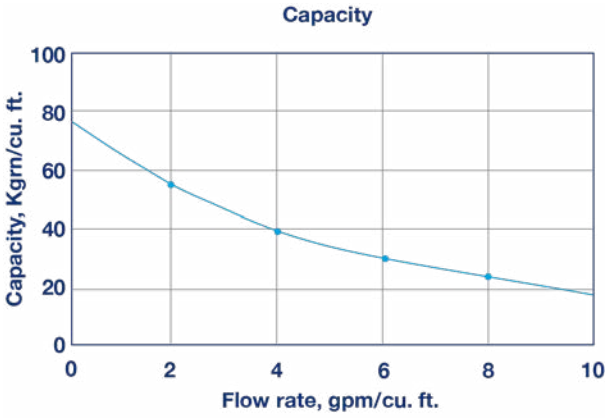
SOFTENER AND DEALKALIZER

ResinTech **WACMP-Ca-HP** removes hardness from water by neutralizing alkalinity from HCO_3 to CO_2. The carbon dioxide can then be removed in a degassifier. For complete removal of hardness, a strong acid cation type softener is needed. For complete conversion of HCO_3 alkalinity to CO_2, a hydrogen form cation may be needed.

CASE 1: For hardness when alkalinity exceeds hardness. Or, for alkalinity when hardness exceeds alkalinity:



CASE 2: For alkalinity whenalkalinity exceeds hardness. Or, for hardness when hardness exceeds alkalinity:

METALS REMOVAL

ResinTech **WACMP-HP** has higher selectivity for divalent transition metals as compared to hardness ions.

HIGH TDS SOFTENING

ResinTech **WACMP-Ca-HP** can be operated as a softener in the sodium cycle. Selectivity for hardness compared to sodium is between 5 and 10 times higher than conventional softening resins. Regeneration requires acid followed by caustic, salt can not be used. Sodium form weak acid resins can be used to soften high TDS waters up to approximately 50,000 ppm.

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WACMP-CA-HP

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

45 - 47 lbs/cu.ft. (721 - 753 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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