WACG-HP-S

Weak acid cation resin, acrylic/DVB gel, sterile grade, hydrogen form

ResinTech WACG-HP-S is a high-purity, buffered form gel weak acid cation resin. The 'HP' designation means it is Gold Seal Certified by the WQA for use in potable water applications. The 'S' designation means it has been sterilized before packaging for shipment. It is pH buffered with sodium ions to avoid producing a low pH when first placed in use.

FEATURES & BENEFITS

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

APPLICATIONS

- Iron Reduction
- Lead Reduction
- Water for Beverages

Meets NSF/ANSI/CAN 61
Meets NSF/ANSI/CAN 372
REACH Registered
Kosher Certified
Halal Certified

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

ResinTech Inc.
INNOVATIONS IN ION EXCHANGE

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WACG-HP-S

Polymer Matrix	Acrylic/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydrogen (H^+)
Functional Group	Carboxylic Acid
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	16 (1190) to 50 (297)
< 50 mesh (300 µm) %	< 1%
Minimum Sphericity (%)	93
Reversible Swelling	80 to 100% (H → Na)
Uniformity	Gaussian
Uniformity Coefficient	1.70
Capacity (meq/mL)	4.00
Moisture Retention (%)	43 to 60
Shipping Weight	45 - 47 lbs/cu.ft. (721 - 753 g/L)
Color	White to Cream
Regenerable	Regenerable

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	212°F (100°C)
Minimum Bed Depth	24 in. (61.0 cm)
Operating pH Range	5.8 to 7.5
Flow Rate	
Working Service	Depends on fluid viscosity. Contact ResinTech

DEALKALIZER

ResinTech WACG-hP (H form) removes hardness from water by neutralizing alkalinity from HCO3 to CO2. 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 HCO3 alkalinity to CO2, a hydrogen form cation may be needed.

HIGH TDS SOFTENING

ResinTech WACG-hP can be operated as a softener in the sodium cycle. Selectivity for hardness compared to sodium is 5 to 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.

METALS REMOVAL

WACG-HP-Na has higher selectivity for divalent transition metals as compared to hardness ions.

REGENERATION DETAILS

Hydrogen Cycle (HCl)	1 to 5%
Regenerant Flow Rate	0.3-1.5 gpm/cu.ft. (2-12 BV/h)
Regenerant Contact Time	> 30 minutes
Displacement Flow Rate	Same as dilution water
Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Rinse Flow Rate	Same as service flow
Rinse Volume	10-15 gals/cu.ft. (1-2 BV)

RESINTECH® INC.
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PACKAGING

Standard

1 cu.ft. Bag | 42 cu.ft. Supersack
5 cu.ft. Drum | 7 cu.ft. Drum

Metric

140L Drum | 200L Drum

SAFETY DATA SHEETS (SDS)

Safety Data Sheets (SDS) 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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