

QuantumPure™ GWC-10L

WAC IX Resin with Gaussian Distribution

QuantumPure™ offers a comprehensive selection of high-performance ion exchange (IX) resins, designed to address a wide range of water treatment needs from deionization and softening to selective ion removal. Manufactured with state-of-the-art processes, QuantumPure™ IX resins provide consistent quality, excellent chemical resistance, and extended service life, reducing the frequency of replacements and maintenance.

Key Features

- High exchange capacity
- Good operational stability
- Good chemical durability

Key Benefits

- Cost-effective water treatment
- High regeneration efficiency
- Lower use of regeneration reagent

Key Applications

- High hardness and TDS softening (e.g. Ca²⁺, Mg²⁺)
- Layered bed system with SAC

Physical and Chemical Properties

Material Specifications

Product Name	QuantumPure™ GWC-10L
Matrix	Acrylic Acid-divinylbenzene, Porous
Functional Group	Carboxylic acid
Ionic Form	H ⁺
Shipping Weight (g/ℓ)*	720
Specific Gravity*	1.19
Average Diameter (μm)	425–1,200
Total Capacity, min. (eq/ℓ)	4.50
Moisture Retention (%)	45–55
Uniformity Coefficient	≤1.6
Swelling Rate (Na ⁺ →H ⁺ , %)*	60
Swelling Rate (H ⁺ →Ca ²⁺ , %)*	10

Regeneration Specifications

Regenerant	HCl H ₂ SO ₄
Concentration (%)	HCl (1–5) H ₂ SO ₄ (1–2)
Level (g/ℓ)	110–120% of Stoichiometric Load
Flow Rate (m/h)	4–20
Rinse Requirement (BV)	4–10

Recommended Operating Conditions

Max. Operating Temp. (°C) [°F]	120 [248]
Min. Bed Depth (mm)	700
pH Range	4–14
Service Flow Rate (m/h)	5–50

Feed Water Limitations

Free Chlorine	Not Traceable
Turbidity	Less than 2 NTU
Iron and Heavy Metals	Less than 0.1 ppm

*The values specified are for reference only and does not guarantee performance.

The product performance is expressly conditioned on Buyer's storing, installing, operating, and maintaining Product in accordance with industry accepted good practices and Seller's written instructions provided in the Seller's Technical Manual may be viewed and downloaded at www.nanoh2owater.com information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. NanoH2O assumes no liability for results obtained or damages incurred

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