

# QuantumPure™ GC-08 H

## SAC 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 reactivity and strong ion adsorption
- Operable in all pH ranges
- Stable operation

### Key Benefits

- Cost-effective water treatment
- Broader range of operation
- Reliable performance

### Key Applications

- Softening
- Demineralization by cation removal
- Condensate polishing
- Mixed bed system with SBA

## Physical and Chemical Properties

### Material Specifications

Product Name	QuantumPure™ GC-08 H
Matrix	Styrene-divinylbenzene, Gel
Functional Group	Sulfonic Acid
Ionic Form	H <sup>+</sup>
Shipping Weight (g/ℓ)*	800
Specific Gravity*	1.25
Average Diameter (μm)	300–1,200
Total Capacity, min. (eq/ℓ)	1.80
Moisture Retention (%)	45–55
Uniformity Coefficient	≤1.6
Swelling Rate (Na <sup>+</sup> →H <sup>+</sup> , %)*	8

### Regeneration Specifications

Regenerant	HCl H <sub>2</sub> SO <sub>4</sub>
Concentration (%)	HCl (4–10) H <sub>2</sub> SO <sub>4</sub> (1–4)
Level (g/ℓ)	50–200
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)	800
pH Range	0–14
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](http://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. NanoH<sub>2</sub>O assumes no liability for results obtained or damages incurred

through the application of the information contained herein. Customer is responsible for determining whether the products and information presented herein are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice. QuantumPure is the Trademark of NanoH<sub>2</sub>O. All rights reserved. © NanoH<sub>2</sub>O Co., Ltd.