NANOH2O

Product Data Sheet

QuantumPure™ GMB-300

Mixed Bed IX Resin

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

- Ready to use, pre-regenerated Gaussian cation & anion resin in equivalent exchange capacity
- Good operational stability

Key Benefits

- Cost-effective water treatment
- Removal of both cations and anions
- Ready-to-use

Key Applications

- Demineralization
- Condensate polishing
- RO permeate water polishing
- Boiler feed water

Physical and Chemical Properties

Material Specifications

Product Name		**QuantumPure™ GMB-300**	
Matrix		Styrene-divinylbenzene, Gel	
Functional Group		Sulfonic Acid	Type 1(Trimethylammonium)
Ionic Form		H^+	OH^-
Average Diameter (μm)		300–1,200	300–1,200
Uniformity Coefficient		≤1.6	≤1.6
Ionic Conversion (%)	H^+	99.0 Min	-
	OH^-	-	95.0 Min
	Cl^-	-	1.0 Max
Mixed Ratio		1:1 (by equivalents) Cation : Anion	
Inlet Condition	Specific Flow Rate	SV36	
	Conductivity	10 μs/cm	
Outlet Condition	Resistivity	Guaranteed: ≥15.0 MΩ·cm (in 10min.) Actual: ≥17.0 MΩ·cm (in 10min.)	

Recommended Operating Conditions

Max. Operating Temp. (°C) [°F]	60 [140]
Min. Bed Depth (mm)	600
pH Range	0–14
Service Flow Rate (m/h)	5–60

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