WBG30-B

Grade: Standard

Weak base anion resin, bead form epoxy polyamine gel, free base form

ResinTech WBG30-B is a gel epoxy polyamine weak base anion resin in the free base form. It has a higher capacity than most other anion exchange resins and has substantial strong base functionality. WBG30-B is intended for industrial applications that require the high operating capacity and low rinse requirement from a bead form weak base anion resin.

FEATURES & BENEFITS

- Highest Operating Capacity
- Significant Salt Splitting Capacity
- Controlled Granule Size
- Selective For Chelated Metal Complexes

APPLICATIONS

- pH Correction of Acidic Waters
- Cartridge Applications
- Portable Exchange Deionization (PEDI)
- Acid Adsorption
- Chromate Removal
- Demineralization / DI

PHYSICAL PROPERTIES

Polymer Matrix	Epoxy Polyamine
Polymer Type	Gel
Ionic Form (as shipped)	Free Base (FB)
Functional Group	Polyamine
Physical Form	Spherical Beads
Uniformity Coefficient	1.60
Particle Size	16-50 US mesh (297-1190µm)
< 50 mesh (300 µm) %	< 1
Reversible Swelling	30% (Free Base → Cl)
Moisture Retention (%)	60 to 80
Shipping Weight	40 - 42 lbs/cu.ft. (641 - 673 g/L)
Color	Amber
Acid Uptake (meq/ml)	3.00

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	110°F (43°C)
Maximum Pressure Loss	20 psi (138 kPa)
Backwash Expansion (%)	50 - 75
Operating pH Range	1.0 to 9.0
Flow Rate	
Working Service	1-4 gpm/cu.ft. (8-32 BV/h)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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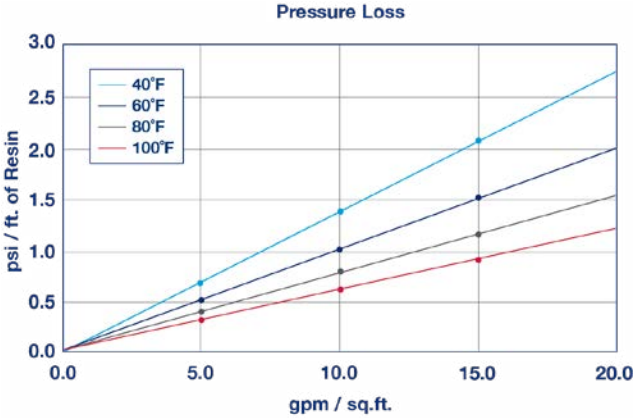
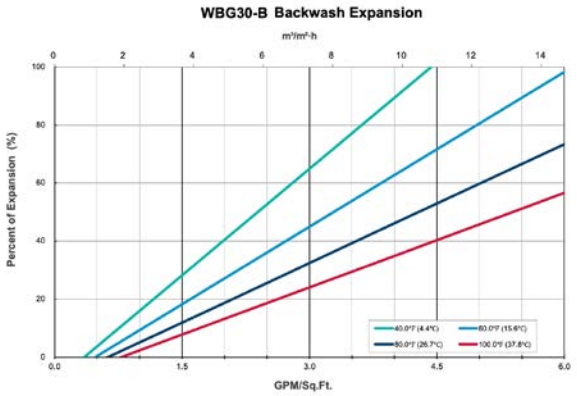
PRESSURE LOSS



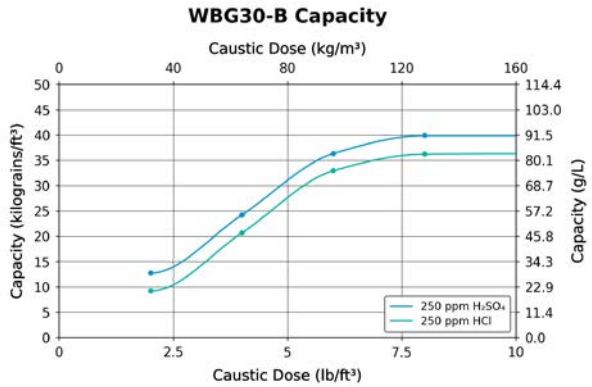
The graph above shows the expected pressure loss of ResinTech WBG30-B per foot of bed depth as a function of flow rate at various temperatures.

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech WBG30-B as a function of flow rate at various temperatures.

CAPACITY



Capacity and leakage data are based on the following: 2:1 Ca:Mg ratio, 500 ppm TDS as CaCO3, 0.2% hardness in the salt and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.

PACKAGING

Standard

7 cu.ft. Drum | 42 cu.ft. Supersack
200L Drum | 1000L Supersack

Metric

1 cu.ft. Bag | 5 cu.ft. Drum
25L Bag | 140L Drum

Shipping Weight

40 - 42 lbs/cu.ft. (641 - 673 g/L)

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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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