

Product Data Sheet

Relite™ JA420

Relite™ JA420 is a porous type strongly basic anion exchange resin. It has lower cross-linkages and excellent properties. A wide range of applications, especially in a field of demineralization and decolorization of sugar liquors, is recommended.

Product

Grade Name	Relite™ JA420
Type	Strong Base Anion
Matrix	Styrene-DVB, Porous
Functional Group	type II (dimethylethanol ammonium groups)
Ionic Form	Cl ⁻

Specification

Whole Bead Count	-	95 min.
Total Capacity	meq/mL	1.0 min.
Water Content	%	54 - 61
Particle Size Distribution on 1200 μm	%	5 max.
Particle Size Distribution thr. 300 μm	%	1 max.
Effective Size	mm	0.45 - 0.60
Uniformity Coefficient	-	1.7 max.

Typical Properties

Shipping Density	g/L	710
Mean Particle Size	μm	800
Particle Density	g/mL	1.09
Total Swelling (Cl ⁻ to OH ⁻)	%	10

Recommended Operating Conditions

Maximum Operating Temperature	°C	60 (Cl ⁻) 40 (OH ⁻)
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	BV/h	10 - 60
Regenerant		NaOH
Regenerant Concentration	%	NaOH 2 - 8
Regenerant Level	g/L	50 - 200
Regenerant Flow Rate	BV/h	2 - 8
Total Rinse Requirement	BV	2 - 10

1 BV(Bed Volume)=1 m³/m³-resin

Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of Relite™ JA420 resin in normal down flow operation is shown in the graphs below.

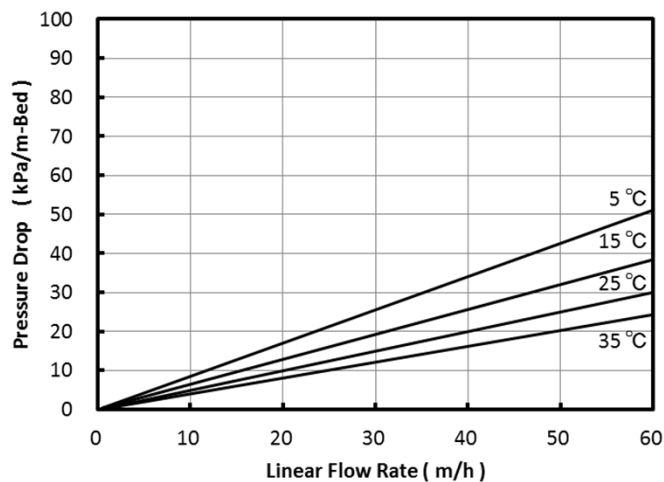


Fig. 1 Pressure Drop of JA420

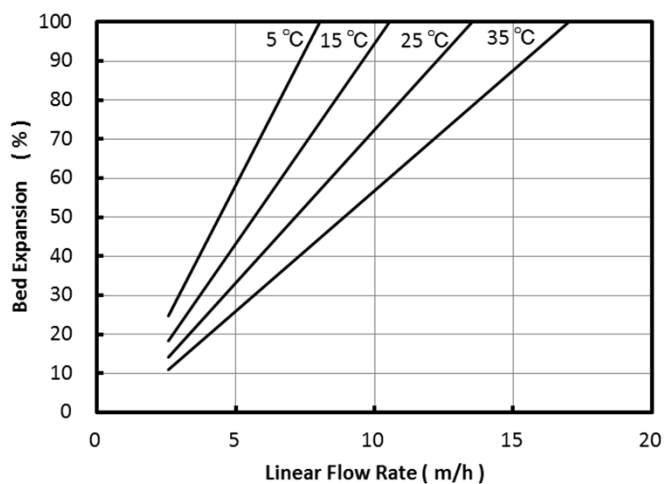


Fig. 2 Bed Expansion of JA420

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