Product Data Sheet

DIAION™ SA20A

DIAION™ SA20A is a gel type strongly basic anion exchange resin. It is type II resin and has a standard cross-linkages and excellent properties. A wide range of applications, especially in a field of manufacturing and processing pure water, is recommended.

Product

Grade Name	DIAION™ SA20A
Type	Strong Base Anion
Matrix	Styrene-DVB, Gel
Functional Group	Type II (dimethylethanol ammonium groups)
Ionic Form	Cl^-

Specification

Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	1.3 min.
Water Content	%	45 - 52
Particle Size Distribution on 1180 µm	%	5 max.
Particle Size Distribution thr. 300 µm	%	1 max.
Effective Size	mm	0.40 min.
Uniformity Coefficient	-	1.6 max.

Typical Properties

Shipping Density	g/L	700
Mean Particle Size	µm	630
Particle Density	g/mL	1.11
Total Swelling (Cl^- to OH^-)	%	14

Recommended Operating Conditions

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

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Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ SA20A resin in normal down flow operation is shown in the graphs below.

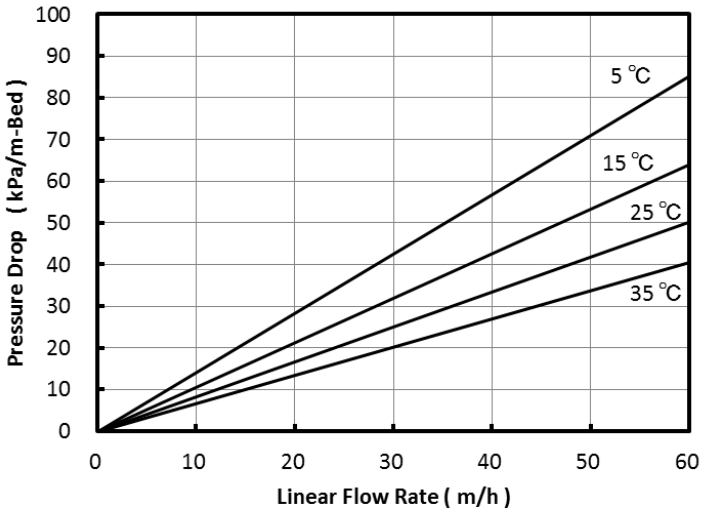

Fig. 1 Pressure Drop of SA20A

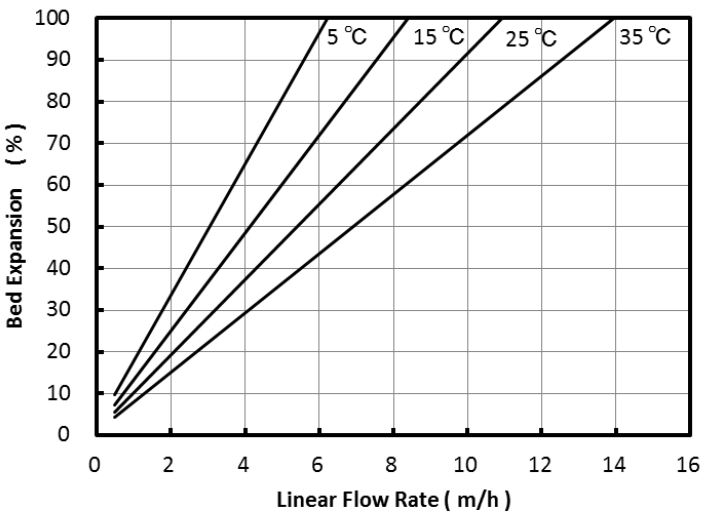

Fig. 2 Bed Expansion of SA20A

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Operational Capacity Data

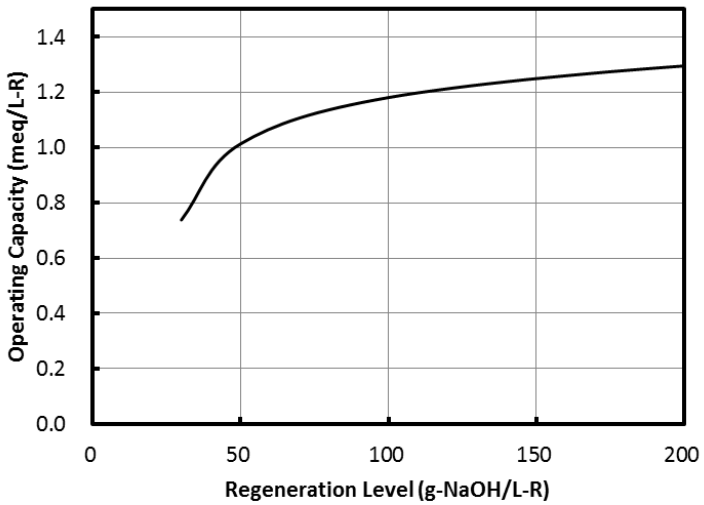

Fig. 3 Operational Capacity Data of SA20A
Regenerant : 4 % NaOH

Notice

This information are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The application, use and processing of our products are beyond our control and therefore your own responsibility.

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