

Product Data Sheet

DIAION™ SA20AOH

DIAION™ SA20AOH 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™ SA20AOH	
Type	Strong Base Anion	
Matrix	Styrene-DVB, Gel	
Functional Group	Type II (dimethylethanol ammonium groups)	
Ionic Form	OH ⁻	

Specification

Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	0.9 min.
Water Content	%	50 - 60
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.
Ionic Form Conversion (OH ⁻)	eq%	90 min.
Ionic Form Conversion (CO ₃ ²⁻)	eq%	10 max.
Ionic Form Conversion (Cl ⁻)	eq%	1 max.

Typical Properties

Shipping Density	g/L	690
Mean Particle Size	µm	670
Particle Density	g/mL	1.08
Total Swelling (Cl ⁻ to OH ⁻)	%	14



Product Data Sheet

DIAION™ SA20AOH

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 Rinse Requirement	BV	2 - 10



Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ SA20AOH resin in normal down flow operation is shown in the graphs below.

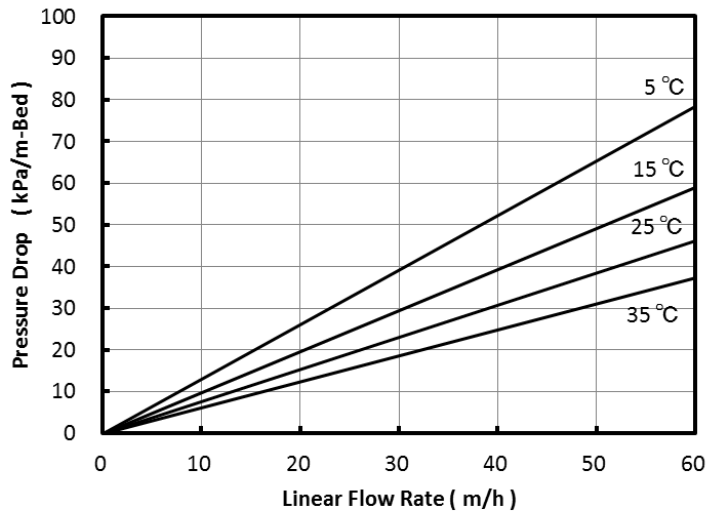


Fig. 1 Pressure Drop of SA20AOH

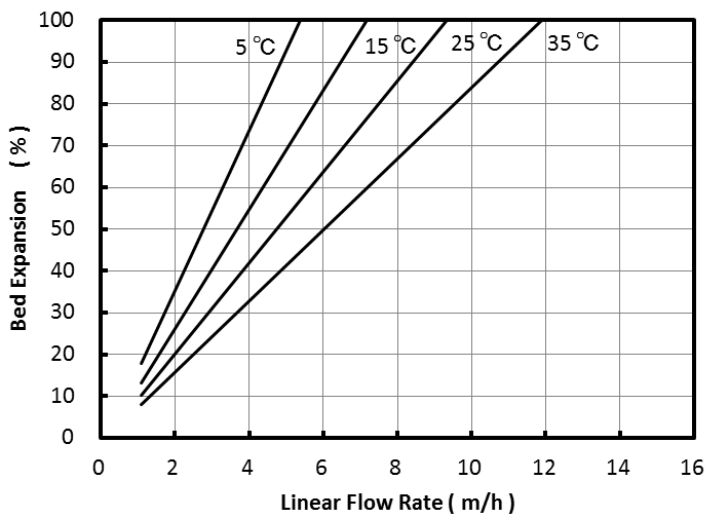


Fig. 2 Bed Expansion of SA20AOH

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.