

Product Data Sheet

DIAION™ UBA100P

DIAION™ UBA100P is an anion exchange resin with a uniform particle size. It 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™ UBA100P	
Type	Strong Base Anion	
Matrix	Styrene-DVB, Gel	
Functional Group	Type I (trimethyl ammonium groups)	
Ionic Form	Cl ⁻	

Specification

Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	1.35 min.
Water Content	%	43 - 49
Average Diameter	μm	550 ± 50
Uniformity Coefficient	-	1.10 max.

Typical Properties

Shipping Density	g/L	670
Particle Density	g/mL	1.08
Total Swelling (Cl ⁻ to OH ⁻)	%	23

Recommended Operating Conditions

Maximum Operating Temperature	°C	80 (Cl ⁻) 60 (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


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Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBA100P resin in normal down flow operation is shown in the graphs below.

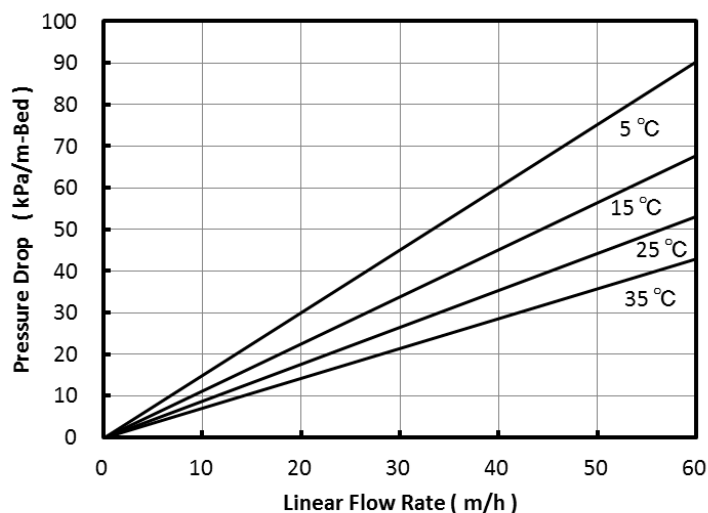


Fig. 1 Pressure Drop of UBA100P

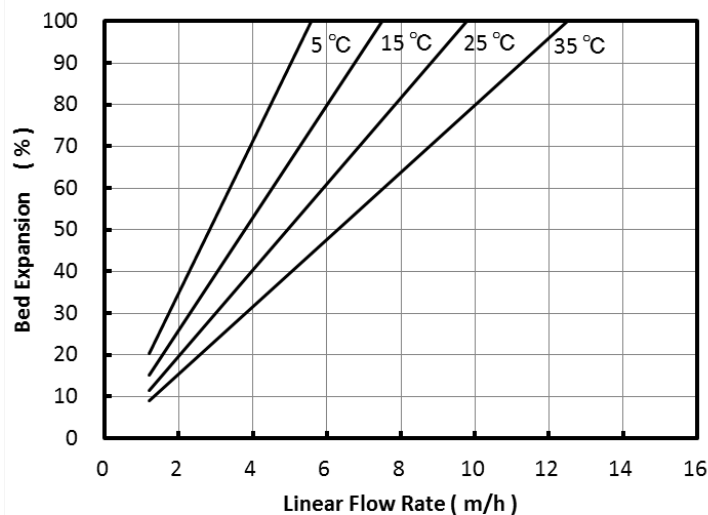


Fig. 2 Bed Expansion of UBA100P

Operational Capacity Data

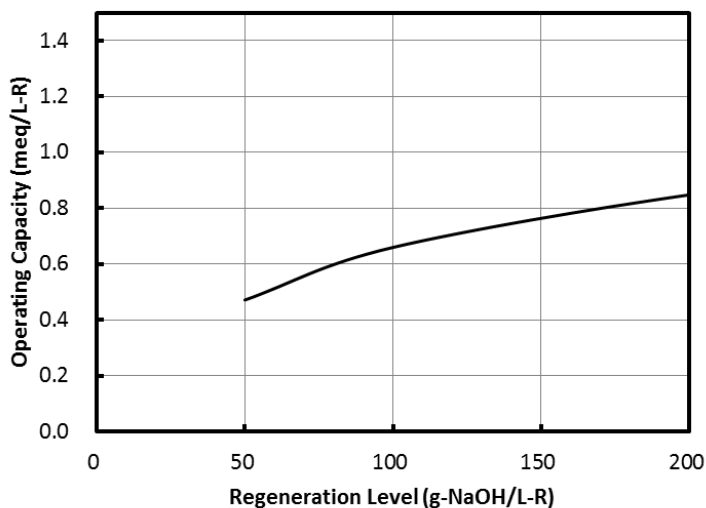


Fig. 3 Operational Capacity Data of UBA100P
Regenerant : 4 % NaOH

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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