

Product Data Sheet

DIAION™ UBA10A

DIAION™ UBA10A 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 condensate mineralization for power plants, is recommended.

Product

Grade Name	DIAION™ UBA10A	
Type	Strong Base Anion	
Matrix	Styrene-DVB, Gel	
Functional Group	Type I (trimethyl ammonium groups)	
Ionic Form	Cl ⁻	

Specification

Whole Bead Count	-	95 min.
Apparent Density	g/mL	0.67 - 0.75
Salt Splitting Capacity	mmol/mL	1.35 min.
Water Content	%	43 - 50
Particle Size Distribution 0.400 - 0.800 mm	%	95 min.
Particle Size Distribution on 0.800 mm	%	1 max.
Effective Size	mm	0.50 - 0.71
Uniformity Coefficient	-	1.1 max.
Particle Density	g/mL	1.06 - 1.10
Sphericity after osmotic-attrition	%	90 min.

Typical Properties

Average Diameter	μm	550
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



Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBA10A resin in normal down flow operation is shown in the graphs below.

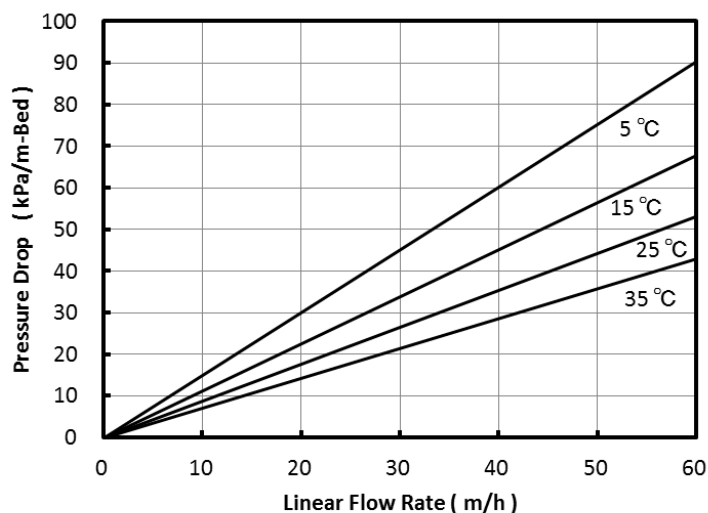


Fig. 1 Pressure Drop of UBA10A

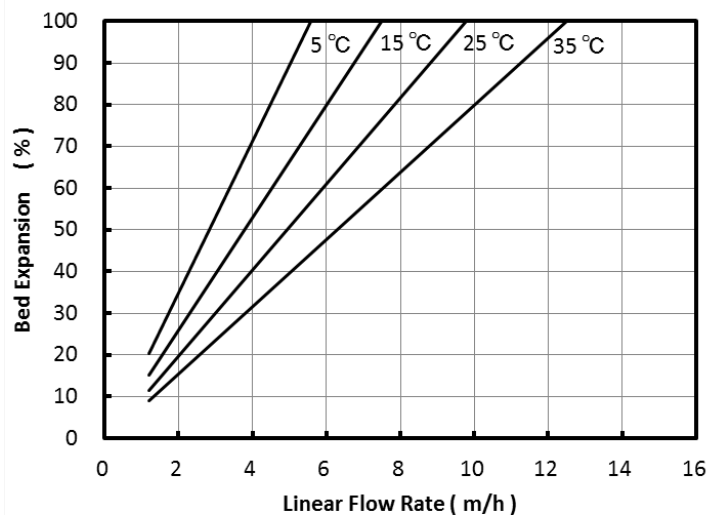


Fig. 2 Bed Expansion of UBA10A

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.