

DIAION™ UBA100OHUP

DIAION™ UBA100OHUP is an anion exchange resin with a uniform particle size. It has a standard cross-linkages and excellent properties. It is recommended for higher purity water treatment application.

Product

Grade Name	DIAION™ UBA100OHUP
Type	Strong Base Anion
Matrix	Styrene-DVB, Gel
Functional Group	Type I (trimethyl ammonium groups)
Ionic Form	OH ⁻

Specification

Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	1.0 min.
Water Content	%	59 - 65
Average Diameter	μm	590 ± 50
Uniformity Coefficient	-	1.10 max.
Ionic Conversion (OH ⁻)	%	95 min.
Outlet resistivity	MΩ · cm	15 max.
ΔTOC	ppb	20 min.

Typical Properties

Shipping Density	g/mL	660
Particle Density	g/mL	1.07
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™ UBA100OHUP resin in normal down flow operation is shown in the graphs below.

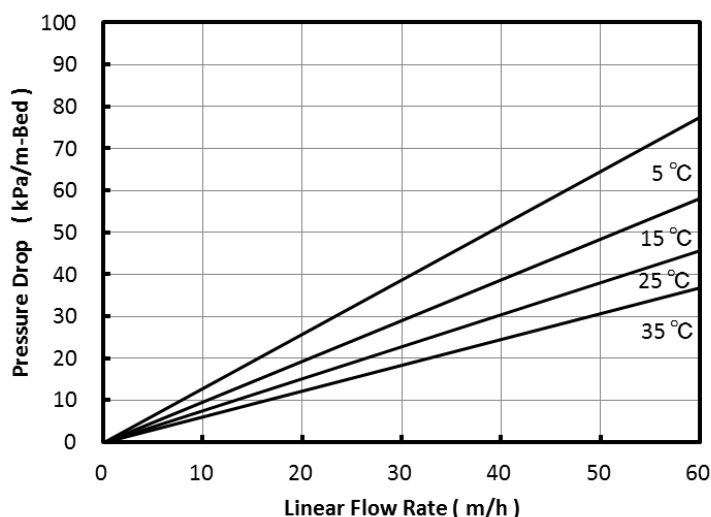


Fig. 1 Pressure Drop of UBA100OHUP

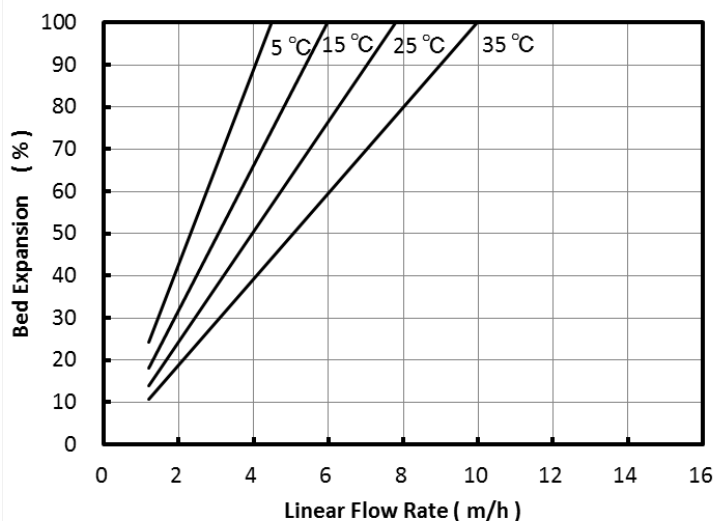


Fig. 2 Bed Expansion of UBA100OHUP

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.

No.01-04-A-0601