

## Product Data Sheet

**DIAION™ UBK08HUP**

DIAION™ UBK08HUP is a cation exchange resin with a uniform particle size. It has standard cross-linkages and excellent properties. It is recommended for higher purity water treatment application.

## Product

Grade Name	DIAION™ UBK08HUP	
Type	Strong Acid Cation	
Matrix	Styrene-DVB, Gel	
Functional Group	Sulfonic acid	
Ionic Form	H <sup>+</sup>	

## Specification

Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	1.8 min.
Water Content	%	50 - 56
Average Diameter	μm	620 ± 50
Uniformity Coefficient	-	1.10 max.
Ionic Conversion (H <sup>+</sup> )	eq%	95 min.
Outlet resistivity	MΩ·cm	12 max.
ΔTOC	ppb	20 min.

## Typical Properties

Shipping Density	g/L	800
Particle Density	g/mL	1.20
Total Swelling (Na <sup>+</sup> to H <sup>+</sup> )	%	9

## Recommended Operating Conditions

Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	m/h	10 - 40
Regenerant		HCl H <sub>2</sub> SO <sub>4</sub>
Regenerant Concentration	%	HCl 4 - 10 H <sub>2</sub> SO <sub>4</sub> 1 - 4
Regenerant Level	g/L	30 - 150
Regenerant Flow Rate	m/h	2 - 10
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™ UBK08HUP resin in normal down flow operation is shown in the graphs below.

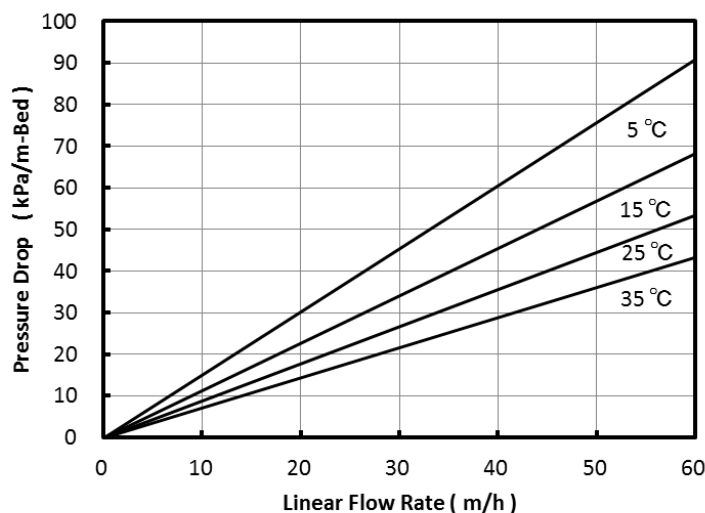


Fig. 1 Pressure Drop of UBK08HUP

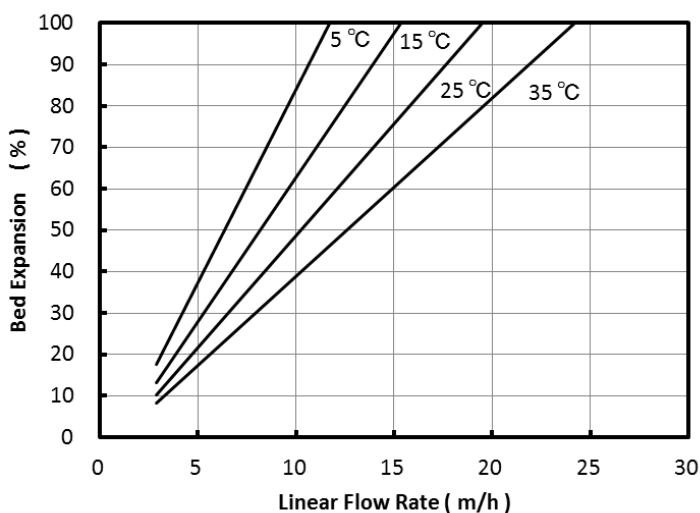


Fig. 2 Bed Expansion of UBK08HUP

### 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.