

## Product Data Sheet

**DIAION™ WA30LL**

DIAION™ WA30LL is a highly porous type weakly basic anion exchange resin. It has tertiary amine functionality with high regeneration efficiency. A wide range of applications, especially in a field of removal of organic substances, pretreatment of raw waters containing organic foulants, deionization and decolorization of starch hydrolysates, is recommended.

## Product

Grade Name	DIAION™ WA30LL	
Type	Weak Base Anion	
Matrix	Styrene-DVB, Highly Porous	
Functional Group	Tertiary Amine	
Ionic Form	Free Base	

## Specification

Whole Bead Count	-	95 min.
Total Exchange Capacity	meq/mL	1.5 min.
Water Content	%	43 - 55
Particle Size Distribution on 1180 µm	%	5 max.
Particle Size Distribution thr. 425 µm	%	1 max.
Effective Size	mm	0.45 min.
Uniformity Coefficient	-	1.6 max.

## Typical Properties

Shipping Density	g/L	630
Mean Particle Size	µm	710
Particle Density	g/mL	1.05
Total Swelling (FB to Cl <sup>-</sup> )	%	22

## Recommended Operating Conditions

Maximum Operating Temperature	°C	100
Operating pH Range		0 - 9
Minimum Bed Depth	mm	800
Service Flow Rate	m/h	10 - 40
Regenerant		NaOH
Regenerant Concentration	%	NaOH 1 - 4
Regenerant Level	% of ionic load	120
Regenerant Flow Rate	m/h	2 - 6
Total Rinse Requirement	BV	5 - 10

### Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ WA30LL resin in normal down flow operation is shown in the graphs below.

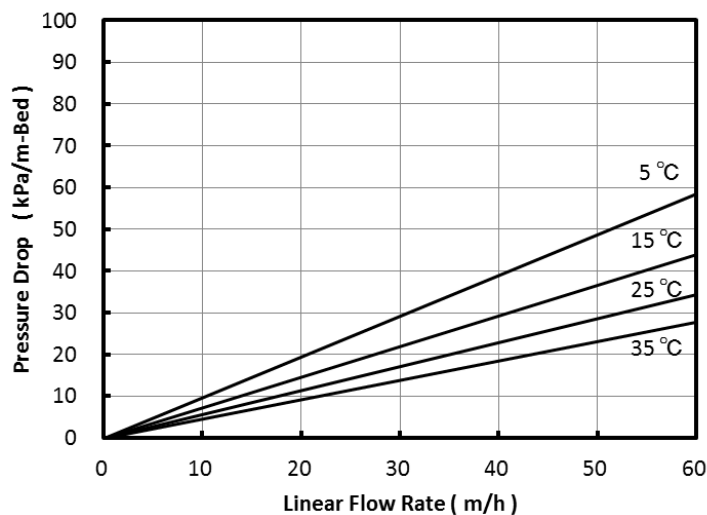


Fig. 1 Pressure Drop of WA30LL

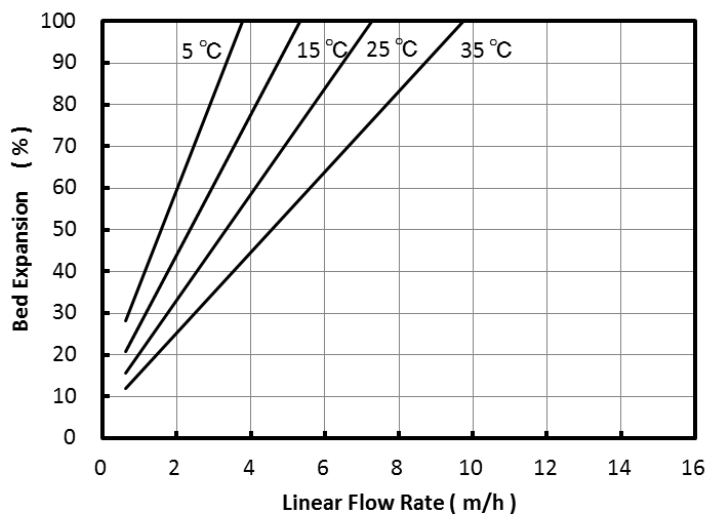


Fig. 2 Bed Expansion of WA30LL

### 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.