DIAION[™] PK216H

DIAION™ PK216H is a porous type strongly acidic cation exchange resin. It has 8% cross-linkages and excellent properties. A wide range of applications, especially in a field of manufacturing and processing pure water and catalysts, is recommended.

Product		
Grade Name		DIAION TM PK216H
Туре		Strong Acid Cation
Matrix		Styrene-DVB, Porous
Functional Group		Sulfonic Acid
Ionic Form		H ⁺
Specification		
Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	1.6 min.
Water Content	%	50 - 60
Particle Size Distribution on 1180 μm	%	5 max.
Particle Size Distribution thr. 300 μm	%	1 max.
Effective Size	mm	0.40 min.
Uniformity Coefficient	-	1.6 max.
Ionic Form Conversion H Form	eq%	95 min.
Typical Properties		
Shipping Density	g/L	760
Mean Particle Size	μm	740
Particle Density	g/mL	1.19
Total Swelling (Na ⁺ to H ⁺)	%	8
Recommended Operating Condit	ions	
Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	BV/h	10 - 60
Regenerant		HCI
		H_2SO_4
Regenerant Concentration	%	HCI 4 - 10
G		H ₂ SO ₄ 1 - 4
Regenerant Level	g/L	50 - 200
Regenerant Flow Rate	BV/h	2 - 10
Total Rinse Requirement	BV	2 - 10
·		BV(Bed Volume)=1 m ³ /m ³ -resin

1 BV(Bed Volume)=1 m³/m³-resin

DIAION **PK216H**

Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAIONTM PK216H resin in normal down flow operation is shown in the graphs below.

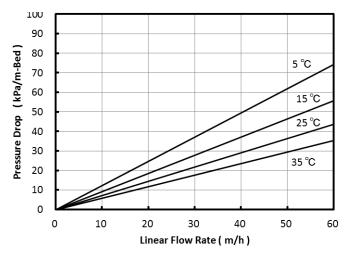


Fig. 1 Pressure Drop of PK216H

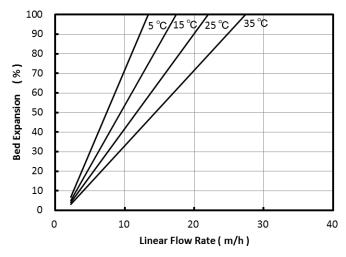


Fig. 2 Bed Expansion of PK216H

Notice

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