

INDION[®] 2250 H

Description

INDION 2250 H is a controlled particle size premium grade strong acid cation exchange resin containing sulphonic acid groups. It is based on cross-linked polystyrene and has a gel structure. The resin has high capacity and excellent kinetics.

Applications

INDION 2250 H is used in coflow and counter flow modes as a first stage in demineralising for the removal of cations. INDION 2250 H can be used with INDION GS 3000 CI in mixed bed and condensate polishing units.

Characteristics	
Appearance	Golden yellow to brown beads
Matrix	Styrene divinylbenzene copolymer
Functional Group	Sulphonic acid
Ionic form as supplied	Hydrogen
Total exchange capacity	1.8 meq/ml, minimum
Moisture holding capacity	49 - 55%
Shipping weight*	770 - 820 kg/m ³
Uniformity co-efficient	1.2, maximum
Effective size	0.50 to 0.65 mm
Fine content (< 0.42 mm)	0.5%, maximum
Volume change	Na to H, 8% approximately

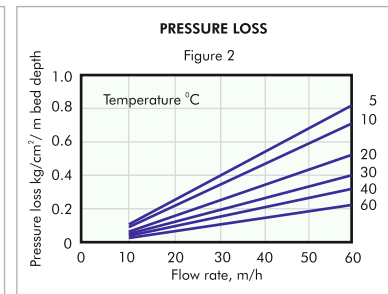
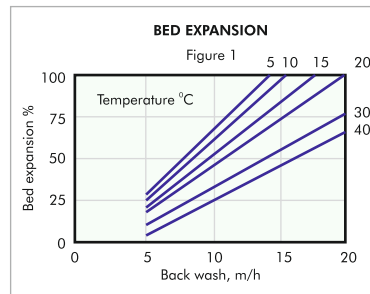
Suggested operating conditions	
Maximum operating temperature	120° C
Operating pH range	0 to 14
Minimum bed Depth	0.8 m
Service flow rate	8-48 BV/hr
Maximum velocity	60 m/hr

Regeneration				
Regenerant	HCl		H ₂ SO ₄	
	Coflow	CCR	Coflow	Coflow
Flow rate (bv/hr)	3-18	3-18	3-18	3-18
Regeneration level (Kg/m ³)	40-160	40-200	40-160	40-200
Concentration (%)	4-5	2.5-5	1.5-5	1.5-5
Contact time (minutes, minimum)	15	20	20-50	20
Slow rinse	2 by at regeneration flow rate			
Fast rinse	1-3 by at service flow rate			

*Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.
1 bv (bed volume) = 1 m² fluid/m² of resin

Packing

HDPE Lined bags	:	25/50 lts
LDPE bags	:	1 cft/25 lts
Super sack	:	1000 lts
Super sack	:	35/40/42 cft
MS/HDPE drums with liner bags	:	180/200 lts
Fiber drums with liner bags	:	7 cft



INDION range of Ion Exchange resins are produced in a state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facilities at Ankleshwar, in the state of Gujarat in India.

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice.

INDION[®] is the registered trademark of Ion Exchange (India) Ltd.



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