

INDION® 2250 Na

Description

INDION 2250 Na is a controlled particle size, strongly acidic, unifunctional, cation exchange resin containing sulphonic acid groups. It is based on cross linked polystyrene and has a gel structure. The resin is extremely robust and has excellent physical and chemical properties. It is supplied moist in the sodium form.

Applications

INDION 2250 Na is used most widely in sodium form for water softening application and it can be used as a substitute for conventional cation resin. It can also be used in two-stage de-ionising as the cation exchanger in the hydrogen form with INDION GS 3000 Cl.

Characteristics

Appearance	:	Golden yellow beads
Matrix	:	Styrene divinylbenzene copolymer
Functional group	:	Sulphonic acid
Ionic form as supplied	:	Sodium
Total exchange capacity	:	2.0 meq/ml, minimum
Moisture holding capacity	:	43 - 50 %
Shipping weight *	:	840 kg/m ³ , approximately
Uniformity co-efficient	:	1.2, maximum
Effective size	:	0.50 to 0.65 mm
Fine content (< 0.42mm)	:	0.5%, maximum
Volume change	:	Na to H, 8% approximately

Suggested operating conditions

Maximum operating temperature	:	140° C
Operating pH range	:	0 - 14
Minimum bed depth	:	0.8 m
Service flow rate	:	8 - 48 BV/h
Maximum velocity	:	60 m/h

Regeneration

Regenerant	:	NaCl
Flow rate	:	2 - 4 bv / h
Regeneration level	:	80 - 200 kg/m ³
Concentration	:	10 - 15 %, w/v
Contact time	:	20 minutes, minimum
Slow rinse	:	1 - 2 bv at regeneration flow rate
Fast rinse	:	3- 4 bv at service flow rate

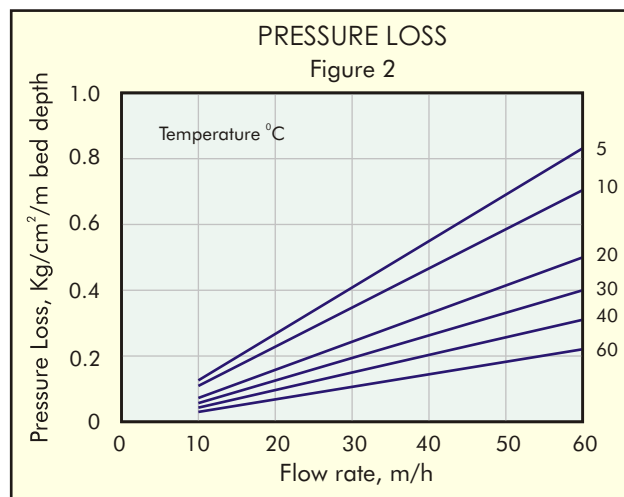
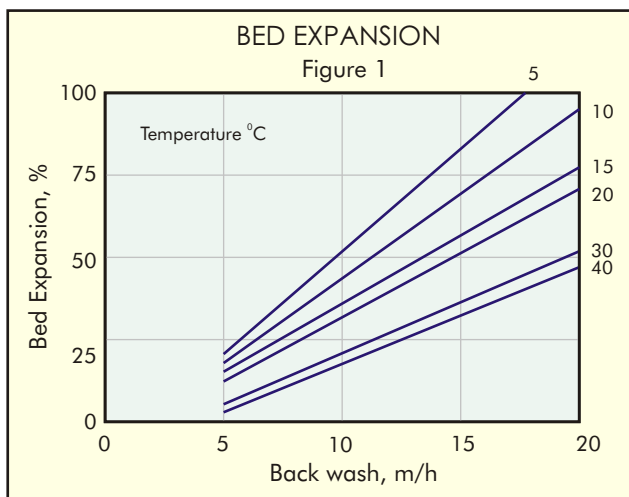
* Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.

1 bv (bed volume) = 1 m³ fluid / m³ of resin

Packing

HDPE Lined bags 25/ 50 lts
 Super sack 1000 lts
 Super sack 35 cft

LDPE bags 1 cft / 25 lts
 MS drums with liner bags 180 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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