Resinex™
Ion Exchange Resin

Resinex™ K-Na

Weak acid cation resin

Resinex™ K-Na is a high purity, premium grade, weakly acidic macroporous-type cation exchange resin, with a superior capacity for removal of temporary hardness, especially designed for industrial applications. The crosslinked, polyacrylic divinylbenzene matrix offers excellent resistance to physical and chemical breakage. The sodium form ensures a very low pH drop during the service run.

The selected bead distribution is especially adapted for all modern systems (UPCORE, Schwebebett,...).

Typical Properties

Type	Crosslinked polyacrylic divinylbenzene
Form	macroporous, white to cream, spherical beads
Functional group	Carboxylic acid
Whole bead count	95% min.
Ionic form, as shipped	Na^+
Bead size	0.42 - 1.25 mm
Uniformity coefficient	1.6 max.
Bulk density	710 kg/m^3
Real density	1.17 g/cm^3
Water retention	45 - 50%
Total capacity (in H^+ form)	4.20 eq/l min.
Volume change Na^+ –> H^+	-75% max.
Stability, temperature	100°C max.
Stability, pH	0 - 14

Key Features and Benefits

- **High Integrity Beads**
  Excellent resistance to mechanical degradation ensures low pressure drop
- **Superior Total Capacity**
  Economical advantage
- **High Resistance To Osmotic Shock**
  Extended lifetime and very low number of broken beads

Typical Applications

- Dealkalisation in industrial applications
- Softening of organic product

Standard Packaging

- 25 lit. PE valve bag
- 1000 litre big bag

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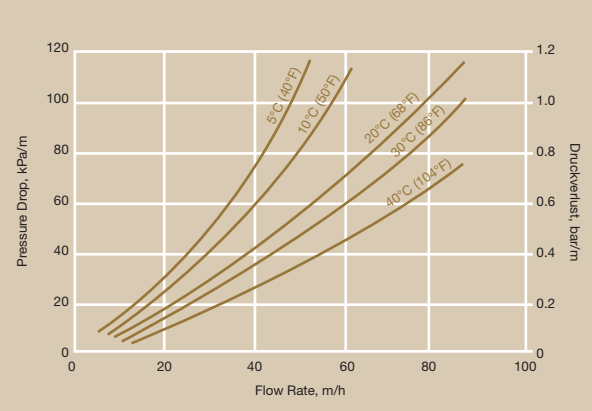
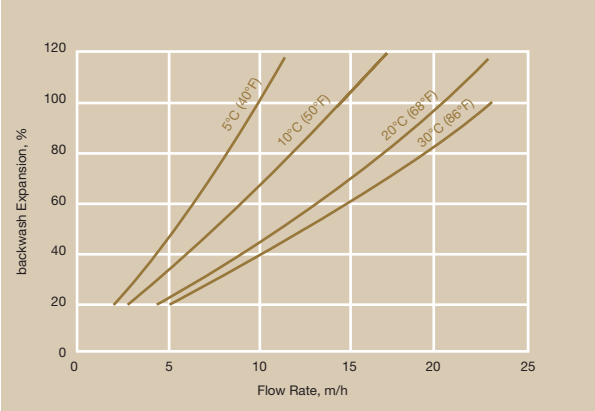
Pressure Drop



Backwash Expansion



Standard regeneration Parameter	NaOH
Concentration	3-4%
Level	140-170 g/l
Flow rate regenerant	4-10 BV/h
Contact time regeneration	30-60 min.
Flow rate slow rinse	4-10 BV/h
Slow rinse water required	2 BV
Flow rate fast rinse	10-30 BV/h
Fast rinse water required	4-10 BV

NOTE For further information to convert the resin into the Na+ form, please contact your nearest Jacobi Office.

Product Packing

25 lit. polyethylene valve bag
42 bags per pallet

Polypropylene FIBCs
(big bag), 1.000 lit.

CAUTION Strong oxidizing agents such as nitric acid can react violently with ion exchange resins and cause explosive type reactions. Before using strong oxidants, consult sources knowledgeable in the handling of these materials.

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