



Resinex™ KW-8

Strong Acidic Cation Exchange Resin

Resinex™ KW-8 is a premium grade, high purity, washed, strong acid, gel-typed cation exchanger made of a polystyrene-divinyl copolymer, especially for drinking and process water softening. The product is characterized by high mechanical and chemical stability, making it suitable for a wide range of drinking water applications. Due to its high total capacity and monodisperse particle size distribution, it enables extremely economical operation with low regeneration agent consumption.

Resinex™ KW-8 complies with the requirements of European Resolution AP (2004) 3

Typical Properties

Type	Crosslinked polystyrene divinylbenzene
Form	Gel-type, amber, spherical beads
Functional group	Sulfonic acid
Whole bead count	≥95%
Ionic form, as shipped	Na ⁺
Bead size	0.42 - 1.25 mm
Uniformity coefficient	≤1.60
Apparent density	820 kg/m ³
Real density	1.28 g/cm ³
Water retention	45 – 50%
Total capacity (Na ⁺ form)	≥1.90 eq/l
Volume change (Na ⁺ → Ca ²⁺)	2%
Stability, temperature	≤120°C
Stability, pH	0 – 14

Standard Operation Conditions

Bed depth	>700 mm
Service flow rate	8 – 40 BV/h
Backwash expansion	50 – 75%
Free chlorine	<0.5 ppm



KEY FEATURES AND BENEFITS

- Pretreated and rinsed
- High integrity beads
- Extended operating capacity
- Selected bead size
- European ResAP (2004) 3 approved
- WQA/NSF 61 certified
- D.G.S. approved

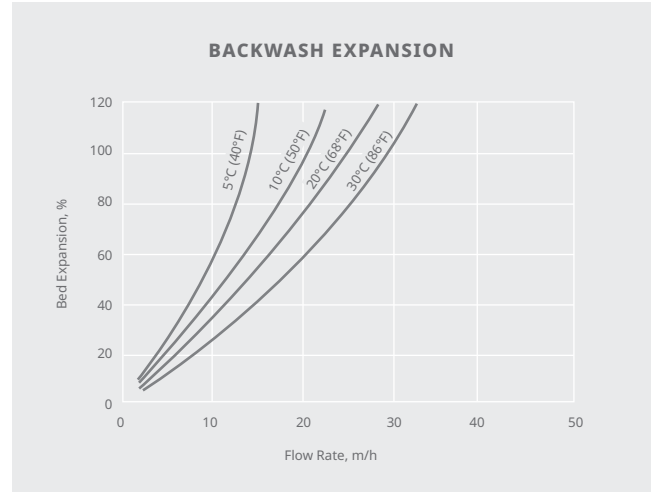
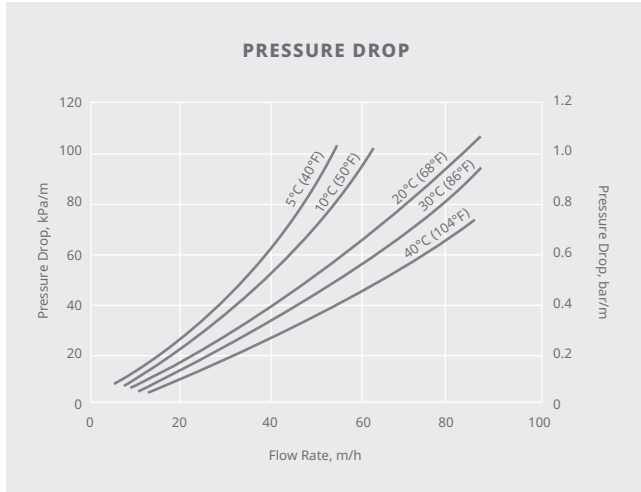


TYPICAL APPLICATIONS

- Residential softening
- Industrial softening
- Municipal softening
- Cartridges

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Standard Regeneration Parameters – Softening

REGENERATION	CO-FLOW	COUNTER-FLOW
Concentration (NaCl)	10%	10%
Level	80 – 300 g/l	50 – 150 g/l
Flow rate regeneration	2 – 8 BV/h	2 – 8 BV/h
Contact time regeneration	30 – 60 min	20 – 40 min
Flow rate rinse	5 – 20 BV/h	5 – 20 BV/h
Rinse water required	6 – 10 BV	3 – 6 BV

Product Packaging

- 25 l / 1 cft polyethylene valve bag
- 48 bags/pallet
- 40 bags/pallet
- Polypropylene FIBCs (Big Bag), 1000 l / 42 cft

For more information or contact visit: resins.jacobi.net

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