

Resinex™ TPX-4501

Strong base anion exchange resin

Resinex™ TPX-4501 is a pre-washed, high purity, premium grade, strong basic macroporous-type anion exchange resin. The macroporous matrix offers an excellent mechanical and chemical stability and therefore **Resinex™ TPX-4501** is highly suitable for decolorisation of sugar liquor (aqueous and non-aqueous) and removal of organics.

Typical Properties

Type	crosslinked polystyrene divinylbenzene
Form	macroporous, milky white, spherical beads
Functional group	Quaternary Ammonium
Whole bead count	95% min.
Ionic form, as shipped	Cl
Bead size	(≥ 90%) 0.315 - 1.25 mm
Uniformity coefficient	1.60 max.
Bulk density, as shipped	690 kg/m ³
Real density	1.07 g/cm ³
Total capacity	0.80 eq/l min.
Water retention	65 - 70%
Stability, temperature (Cl ⁻ form)	70°C
Stability, pH	0-14

Standard Design Conditions

Bed depth	>750 mm
Service flow rate	8-40 BV/h
Backwash expansion	50-75%

Key Features and Benefits

- **High Integrity Beads**
Excellent resistance to mechanical degradation ensures low pressure drop
- **Excellent Resistance To Organic Fouling**
Removable organics
- **Resistance To Osmotic Shock**
Longer lifetime and very low number of broken beads
- **High Capacity**

Typical Applications

- Decolorisation of liquid sugar
- Decolorisation of organic solutions

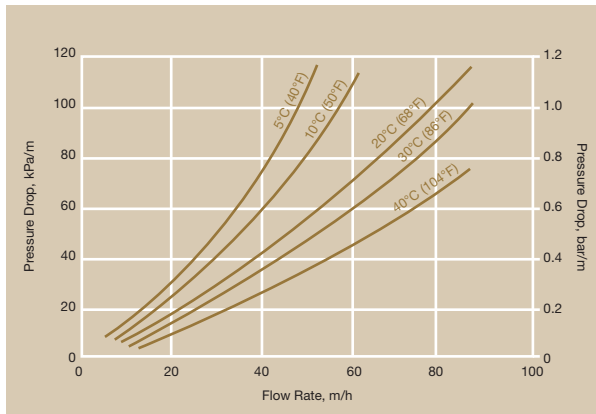
Standard Packaging

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

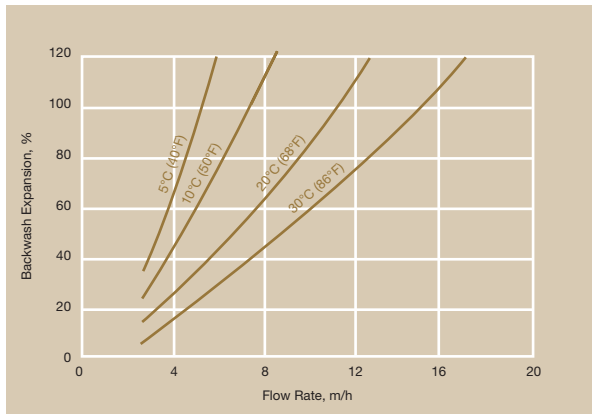
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Pressure Drop



Backwash Expansion



Product Packing



25 lit. polyethylene valve bag
48 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.



For more information or to contact Jacobi visit: www.resinex.jacobi.net

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RX-TPX4501_e_Rev12_20121115

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