Resinex™
Ion Exchange Resin

Resinex™ MX-11

Mixed bed ion exchange resin

Resinex™ MX-11 is a ready to use, one-way-use mixed bed resin specially designed for the production of fully demineralised water. The product is made up of a 1:1 volumetric ratio of Resinex™ K-8 and Resinex™ A-4 to offer a very low condustivity in the outlet during operation. The Type 1 functional group in the anionic compound guarantees a high purity, silica free water.

Typical Properties

Type	Crosslinked polystyrene divinylbenzene
Form	Gel-type, amber, spherical beads
Functional group	Sulfonic acid/Quaternary Ammonium, Type 1
Whole bead count	95% min.
Ionic form, as shipped	H^+/OH^-
Bead size	16x40 US mesh (0.45-1.20 mm)
Effective size	0.50 ± 0.07 mm
Bulk density	730 kg/m³
Volume ratio	1:1
Water retention	45-55%
Operating capacity approx.	Cation: 0.85 eq/l, Anion: 0.40 eq/l
Volume change regenerated -> loaded	15% max.
Stability, pH	0-14

Standard Design Conditions

Bed depth	>600 mm
Service flow rate	8-40 BV/h

Key Features and Benefits

- **High Integrity Beads**
  Excellent resistance to mechanical degradation ensures low pressure drop
- **High Operating Capacity**
  Economical advantage
- **Low Conductivity Leakage**
  Offers conductivity leakage <0.1 µS/cm and is usable for all standard mixed bed applications

Typical Applications

- Polishing after demineralisation
- Demineralisation in laboratories
- Mixedbed cartridges

Standard Packaging

- 25 lit. PE valve bags
- 1000 lit. big bags

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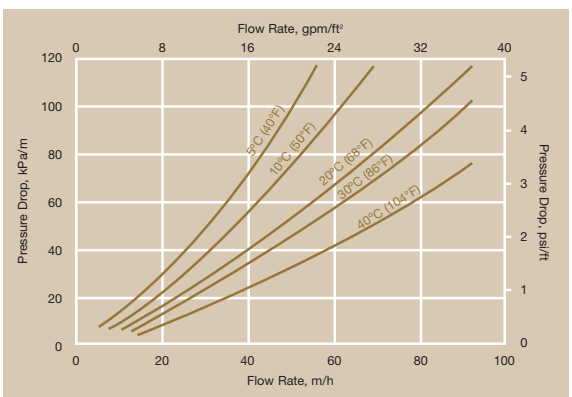
Pressure Drop



Product Packaging

25 lit. polyethylene valve bags,
48 bags per pallet

Polypropylene FIBCs
(big bags), 1000 lit.

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Jacobi CARBONS

RX-MX-11-A-EN