

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 conductivity 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/m ³
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

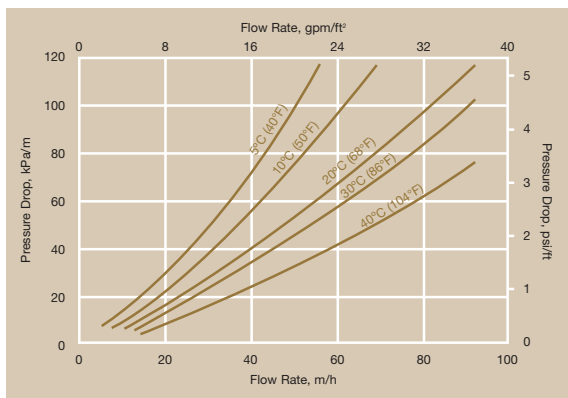
Standard Packaging

- 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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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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