Resinex™
Ion Exchange Resin

Resinex™ MX-2 I

Mixed bed ion exchange resin

Resinex™ MX-2 I is a ready-to-use regenerable mixed bed resin specially designed for the production of fully demineralised water. The product is made up of a 1:1,5 volumetric ratio of Resinex™ K-8 and Resinex™ A-4 to offer a very low conductivity in the outlet during operation. The high operating capacity offers an economic advantage and the type 1 functional group in the anionic compound guarantees a high purity, silica free water.

Resinex™ MX-2 I is equipped with a colour indicator - turns from amber to red - to provide the exhaustion level of the resin.

Typical Properties

Type	Crosslinked polystyrene divinylbenzene
Form	gel-type, amber, spherical beads
Functional group	Sulfonic acid/Quarternary ammonium, Type 1
Whole bead count	95% min.
Ionic form, as shipped	H^+/OH^-
Bead size	0.42 - 1.25 mm
Uniformity coefficient	1.60 max.
Bulk density, as shipped	740 kg/m^3
Water retention	45 - 55%
Operating capactiy	Cation: 0.85 eq/l, Anion: 0.65 eq/l min.
Volume change regenerated -> exhausted	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 it is usable for all standard mixed bed applications.
- **Colour indicator**

Typical Applications

- Polishing after demineralisation
- Demineralisation in laboratories
- Mixed bed cartridges

Standard Packaging

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

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Resinex™ MX-21
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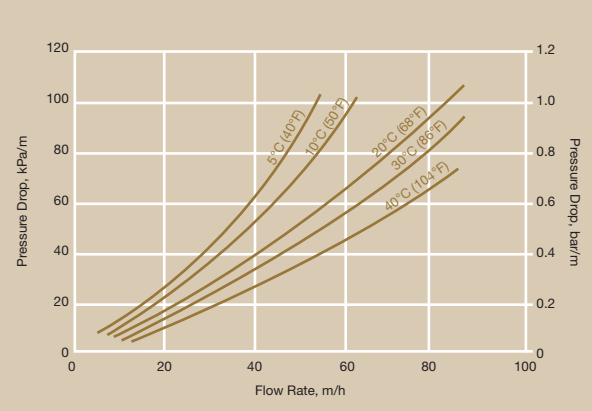
Pressure Drop



Product Packing

25 lit. polyethylene valve bag
48 bags per pallet

Polypropylene FIBCs
(big bag), 1.000 lit.

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