Resinex™
Ion Exchange Resin

Resinex™ MX-3010 UB

Mixed bed ion exchange resin

Resinex™ MX-3010 UB 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 equivalent ratio of Resinex™ K-8 UB and Resinex™ A-4 UB 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. The uniform bead size ensures a reduced pressure drop at high flow rates, extended running capacity and an enhanced separation while backwashing.

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	(≥ 90%) 0.50 - 0.71 mm
Uniformity coefficient	1.20 max.
Ratio cation : anion	1:1 equivalent
Bulk density, as shipped	740 kg/m^3
Water retention	45 - 55%
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.
- **Uniform Bead Size**
  Lower Ppressure drop
  Extended running capacity
  Enhanced separation while backwashing

Typical Applications

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

Standard Packaging

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

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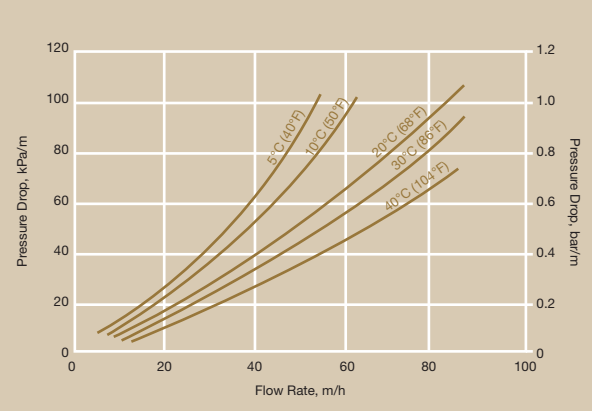
Pressure Drop



Product Packing

25 lit. polyethylene bag
42 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.

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