

Resinex[™] MX-1

Mixed bed ion exchange resin

ResinexTM MX-1 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 volumetric ratio of ResinexTM K-8 and ResinexTM 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.

Typical Properties

Ty	ype	Crosslinked polystyrene divinylbenzene
F	orm	gel-type, amber, spherical beads
F	unctional group	Sulfonic acid/Quarternary ammonium, Type 1
V	Vhole bead count	95% min.
lo	onic form, as shipped	H+/OH:
В	lead size	0.42 - 1.25 mm
U	Iniformity coefficient	1.60 max.
В	Bulk density, as shipped	740 kg/m³
V	Vater retention	45 - 55%
0	perating capactiy	Cation: 0.85 eq/l, Anion: 0.45 eq/l min.
Vo	olume change regenerated -> exhausted	15% max.
S	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.

Typical Applications

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

Standard Packaging

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

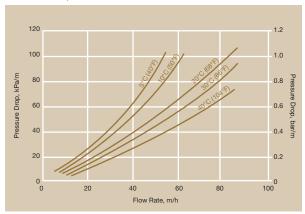




Resinex™ MX-1

Mixed bed ion exchange resin

Pressure Drop



Standard Regeneration Parameters

Wash water requirement

4-6% HCI Concentration 3-5% NaOH Level approx. 100 g/l 100 g/l Linear velocity regenerant 5 m/h 5 m/h Contact time regenerant 30-60 min. 30-60 min. 8 m/h 8 m/h Linear velocity rinse approx. 8-10 BV 8-10 BV

HCL

Product Packing



25 lit. polyethylene bag 42 bags per pallet



Polypropylene FIBCs (big bag), 1.000 lit.

NaOH







