

# Resinex™ MX-111

## Mixed bed ion exchange resin

**Resinex™ MX-111** is a ready-to-use non-regenerable mixed bed resin specially designed for the production of fully demineralised water. The product is made up of a gel-type strong acidic cation and a strong base anion exchange resins with an volumetric ratio of 1:1, 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

Type	Crosslinked polystyrene divinylbenzene
Form	Gel-type, amber/opaque, spherical beads
Functional group	Sulfonic acid/Quarternary ammonium, Type 1
Whole bead count	95% min.
Ionic form, as shipped	H <sup>+</sup> /OH <sup>-</sup>
Bead size	0.31 - 1.25 mm
Uniformity coefficient	1.60 max.
Apparent density	740 kg/m <sup>3</sup>
Ratio cation:anion	50:50 %
Water retention	45 - 55%
Volume change (regenerated -> exhausted)	-15%
Stability,pH	0-14

### Key Features and Benefits

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

### Standard Operation Conditions

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

### Typical Applications

- EDM Recycling
- Demineralisation in laboratories
- Mixed bed cartridges

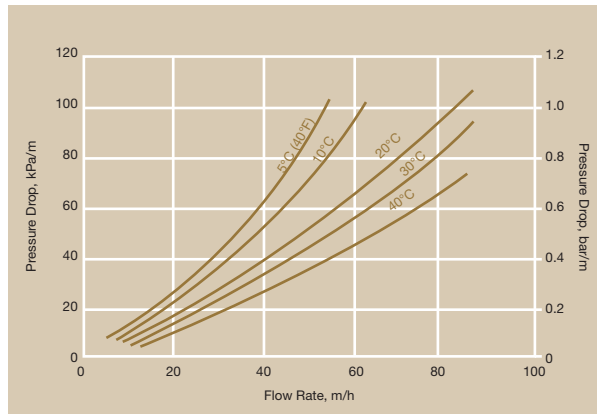
### Standard Packaging

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

## Resinex™ MX-111

Mixed bed ion exchange resin

### Pressure Drop



### Product Packaging



25 lit. polyethylene bag  
42 bags per pallet



Polypropylene FIBCs  
(big bag), 1.000 lit.



For more information or to contact Jacobi visit: [www.resinex.jacobi.net](http://www.resinex.jacobi.net)

**NOTICE** Due to the progressive nature of the Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

© Copyright 2018. Jacobi, Jacobi Carbons, Resinex, the Resinex and the Jacobi logos are trademarks of Jacobi Carbons, all of which may or may not be used in certain jurisdictions.

**Jacobi Corporate Headquarters**  
Slöjdaregatan 1  
SE-39353 Kalmar | Sweden  
Tel: +46 480 417550 | Fax: +46 480 417559  
info@jacobi.net | www.jacobi.net



**JACOBI**  
THE CARBON COMPANY