

Ions exchange resin

Ion exchange resin demineralization mixed bed
PMB101-3 (H⁺/OH⁻ form)



IONS EXCHANGE RESIN

ION EXCHANGE RESIN READY FOR USE

- Ion exchange resin demineralization ready to use and regenerable.
- High-capacity mixed-bed resin composed of a mixture of strong base anionic resin, gel type 1 and a strong acidic cationic resin gel type for the demineralization of water.
- Conductivity is approximately <0.06 µS/cm
- It is particularly effective in eliminating silica and for industrial or laboratory applications that require demineralised water.

NSF/ANSI certified resin (Drinking Water System Components - Health effects)



PHYSICAL AND CHEMICAL CHARACTERISTICS

Structure of the polymer matrix	Crosslinked polystyrene gel with DVB	
Functional group :	Cation Anion	R-SO ₃ -H ⁺ R ₄ -N-OH
Ionic form (as shipped)	H ⁺ /OH ⁻	
Physical aspect and appearance	Spherical balls	
Sphericity (perfect ball)	95% min	
Granulometry	0.42 to 1.25 mm	
Coefficient of uniformity	1.60 max.	
Volume report (as shipped)	Cation Anion	40% 60%
Total exchange capacity	1.90 eq/l min	
Cation (NA ⁺ form)	1.00 eq/l min	
Anion (Cl ⁻ form)		
Water retention :	H ⁺ form OH ⁻ form	45 to 50% 53 to 60%
Shipping weight (approximate)	700 to 740 g/l	
Maximum temperature	60°C	
pH	0 à 14	
Shipping weight	820 g/L	

CONDITIONING

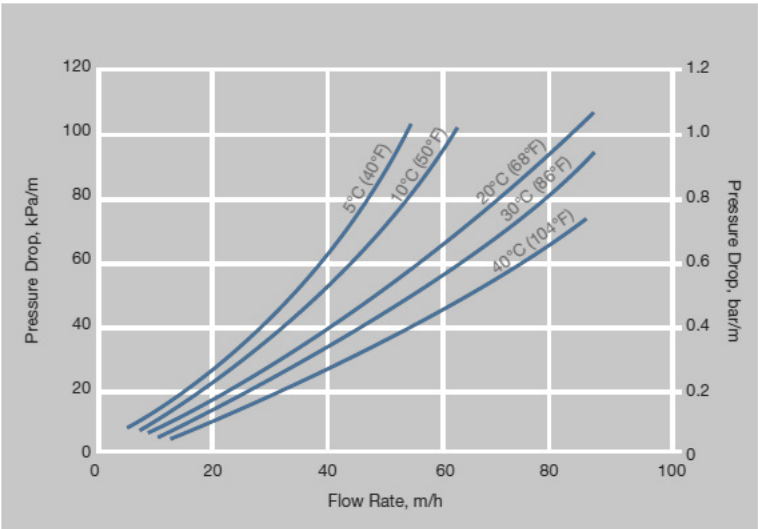
Bag of 25 liters.

MX-2 Resin

WORKING CONDITIONS

Minimum height of the resin bed	0.6 m (24 pouces)
Service rate	8 to 40 BV/h
Limitations: Prolonged exposure to strong oxidants such as chlorine, hydrogen peroxide and concentrated nitric acid degrades the structuring element of the resin and should be avoided.	

PRESSURE LOSS



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