

MB101 (Ready to used Mixed Bed) For ultra pure water production

MB101 is a high quality resin mixture for direct purification of water. It is suitable for use in regenerable or non-regenerable cartridges and in large ion exchange units. Passage of water at recommended flow rates through the resin as supplied can achieve almost complete reduction of total dissolved solids. The residuals produce average conductivity values of about 0.1 $\mu\text{s cm}^{-1}$ for a major portion of the service run which may be extended depending upon the final water quality acceptable. Equivalent volumes of ultra pure water may be obtained after regeneration but only if sufficient regenerant quantities are employed to achieve the percentage conversion levels equivalent to those of the "as supplied" resin. Generally acceptable capacity and quality is obtained economically at lower regeneration

Typical physical & Chemical characteristics

Guaranteed Sales Specification	Units	OH - Form	H + Form
Polymer Matrix Structure	-	Gel PolyStyrene Crosslinked with DVB	
		Anion	Cation
Functional Group	-	Quaternary Amine	Sulfonic acid
Volume ratio	-	60%	40%
Total Exchange Capacity, min.	meq/l	1.30	1.9
Water Retention Capacity	%	53-60	45-50
Particle Size Distribution	-	-	-
>1.25 mm max.	%	5	5
<0.40 mm, max	%	2	2
Whole Bead Count, min.	%	95	95
Moisture Content as shipped, max	-	65%	
PH Range, Stability	-	0-14	
Shipping weight (approx.)	-	705-740 g/l	
Ionic conversion, min.	%	90	99