



## MB400 Mixed bed resin

### 1. Description

MB400 is a high capacity mixed bed ion exchange resin consisting of a mixture of a gel, Type I strong base anion resin and a gel strong acid cation resin for direct purification of water. The conductivity is 0.06us/cm max. It is suitable for use in regenerable or non-regenerable cartridges, for deionization with high silica removal efficiency and refine water for electrical home applications.

### 2. Typical Physical and Chemical Properties:

Functional Group: Cation Anion	RSO3-H+ R4N+OH-
Polymer Structure	Gel PolyStyrene Crosslinked with DVB
Ionic Form, as shipped	H+ / OH-
Volume ratioPhysical Form And Appearance	Spherical Beads
Sphericity	95% min.
Screen Size Range --- U.S. Standard Screen	16-50 mesh, wet
Particle Size Range	+1.2 mm < 5%, -0.3 mm < 1%
Shipping Weight (Approx.)	700-740 g/l (44-46 lbs/cu.ft)
Volume Ratio (as shipped) Cation Anion	40% PC003H 60% PA101OH
Total Exchange Capacity, Cation (in sodium form) Anion (in chloride form)	2.0 eq/l min. 1.3 eq/l min.
Water Retention, H form OH form	45-50% 53-60%
Temperature Limit : Non-regenerative bed Regenerative bed	100°C (212°F) max. 60°C (140°F) max.
pH Range	0-14

### 3.Applications

It is mainly used in the production of high purity water



Coastal Water Filters, Inc.  
435 23rd St NW  
Naples, FL 34120  
P: 239-398-0967

www.coastalwaterfilters.com  
info@coastalwaterfilters.com

