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# MB9IG

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## MIXED BED RESIN

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### **Aquatrol MB9IG Mixed Bed Resin**

is an Industrial Grade H/OH Ion Exchange Resin composed of Gaussian, Gel, Strong Acid Cation and Strong Base Anion Exchange Resins for Industrial Demineralization Applications. Aquatrol MB9IG Mixed Bed Resin is ready-to-use, fully regenerated, non-regenerable, and pre-mixed resin with high cationic exchange capacity. The pre-mixed resin allows for faster initial rinse-up prior to service and minimizes rinse wastewater volume.

### **Aquatrol MB9IG Mixed Bed Resin**

is ideal for a partial demineralization of water when the ratio of alkalinity to free mineral acidity is higher than 1, and where the complete removal of cations and acidity is essential and required without the need to eliminate silica and CO<sub>2</sub> fully.

### **Aquatrol MB9IG Mixed Bed Resin**

Provides a great balance between performance, efficiency and stability through a uniform particle size that minimizes pressure drop while optimizing trace contaminant removal and reliability.

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## MIXED BED RESIN



Properties	Cation H <sup>+</sup>	Anion OH <sup>-</sup>
Copolymer	Styrene-divinylbenzene	Styrene-divinylbenzene
Matrix	Gel	Gel
Functional Group	Sulfonic Acid	Trimethylammonium
Type	Strong Acid Cation	Strong Base Anion, Type 1
Physical Form	Amber Golden Light Translucent Beads	Amber Golden Light Translucent Beads
Volume Ratio	47 – 54%	53 – 46%
Particle Size	<300um < 5.0%	-

*These properties are typical but do not constitute specifications.*

### MAXIMUM OPERATING TEMPERATURE

140 °F (60 °C)

### FEED WATER TEMPERATURE RANGE

41 to 140 °F (5 to 60 °C)

### MINIMUM BED DEPTH

1.97 feet (600 mm)

### SERVICE FLOW RATE

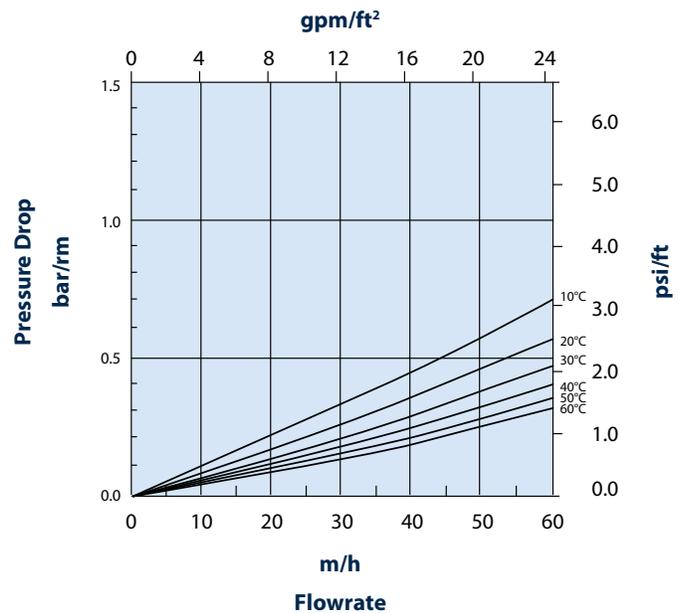
8 to 40 BV\*/h

### PH RANGE

2-12

\* 1 BV (Bed Volume) = 1 m<sup>3</sup> solution per m<sup>3</sup> resin  
(1BV/h = 0.125 gpm/ft<sup>3</sup>)

### Pressure Drop Temperature = 10-60°C (50-140°F)



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