

ProWater Colour Change Resin MB-115CC

Technical Data Sheet



pozzani

DESCRIPTION

This is a mixed bed ion exchange resin. It is a mixture of highly purified and super regenerated strong acid cation and strong base anion resins in 40: 60 volume ratio.

APPLICATIONS

This resin is recommended in any non regenerable mixed bed application where reliable production of the highest quality water is required and where "as supplied" resin must have an absolute minimum of ionic and nonionic contamination.



SPECIFICATIONS

Characteristics		
Physical		
Appearance	Spherical beads	
Shipping weight*	700 - 740 kg/m	
Particle size range	0.3 to 1.2 mm	
> 1.2 mm	5.0%, maximum	
< 0.3 mm	1.0%, maximum	
Uniformity co-efficient	1.7, maximum	
Effective size	0.45 to 0.65 mm	
Microscopic examination	Surface cracks not more than 5%	
Chemical	Cation resin	Anion resin
Matrix	Crosslinked polystyrene	Crosslinked polystyrene
Type	Gel	Gel
Functional group	Sulphonic acid	Quaternary ammonium
Total exchange capacity	1.9 meq/ml	1.0 meg/ml
Ionic conversion	99% minimum in H form	90% minimum in OH form
Moisture holding capacity	49-55%	60% maximum
Thermal stability	Up to 120°C	Up to 60°C
Chemical stability	Stable in pH range 0-14	Resistant to oxidizing and reducing agent

*Weight of resin, as supplied, occupying 1m³ in a unit after backwashing and draining.

VARIANTS

This resin is also available with the additional feature of colour change from Green to Yellow at exhaustion.

STORAGE

Ion exchange resins require proper care at all times. Resins must never be allowed to become dry. Resins should therefore be always kept in the shade. Since this is supplied in highly regenerated condition, any exposure to atmospheric air must be avoided as this will convert it to the carbonate form. The resin packing should not be opened during storage.

SAFETY

Acid and alkali solutions used for regeneration are corrosive and should be handled in a manner that will prevent eye and skin contact. If any oxidising agents are used, necessary safety precautions should be observed to avoid accidents and damage to the resin.

