

Bestion® BD001

Macroporous Strong Acid Cation Exchange Resin

Description

BD001 is a premium grade, macroporous strong acid cation exchange resin, supplied in the sodium (Na) or hydrogen (H) form. It is a copolymer of styrene and divinylbenzene with sulfonic acid exchange group. The unique structure allows for high operating capacity and excellent chemical and physical stability. Its matrix promotes better kinetics and better diffusion rates into and out of the bead.

It is mainly used in production of pure water, ultra-pure water and condensate polishing. It can also be used in waste water treatment and recovery of heavy metals. The series of BD001 contains four products: BD001 for general use; BD001 FC for the system of double compartment bed or floating bed; BD001 SC for dual bed; BD001MB for mixed bed, especially condensate water with high flow rate in mixed bed.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure		Styrene-DVB
Appearance		beige-grey, opaque spherical beads
Type		Gel strong acid cation exchange resin
Ionic form		Na ⁺
Functional group		sulfonic acid
Moisture Content	%	45-50%
Total Exchange Capacity	eq/L	≥1.8
Particle Size Range	0.315-1.25mm	≥95
Uniformity Coefficient	max.	≤1.6
Reversible Swelling	Na → H max %	≤10
Shipping Weight	g/ml	0.77-0.85
Temperature Limit	°C	120°C
Whole Spherical Rate After Attrition	%	≥90

TYPICAL PACKAGING

- 25L PE bag
- 1 Cubic feet
- 1000L Super Sacks