

## Aldex Chelation Resin (CR) Series

# CR 2012 Chelation Resin Series

Aldex CR 2012 is an **extremely durable** macroporous resin containing aminomethyl phosphonic group attached to polystyrene copolymer matrix. Aldex CR 2012 is used for **selective removal** of bivalent metal cations from monovalent cations can be easily separated from monovalent cations and from other bivalent cations like calcium. Aldex CR 2012 is used for **decalcification** of brine solutions in chloralkali industry. Other applications of this resin are removal of bivalent metal cations from process industry using metals, electroplating and pickling baths, hydrometallurgy, battery plants for lead removal, electronic industry etc.

## Physical Chemical Properties

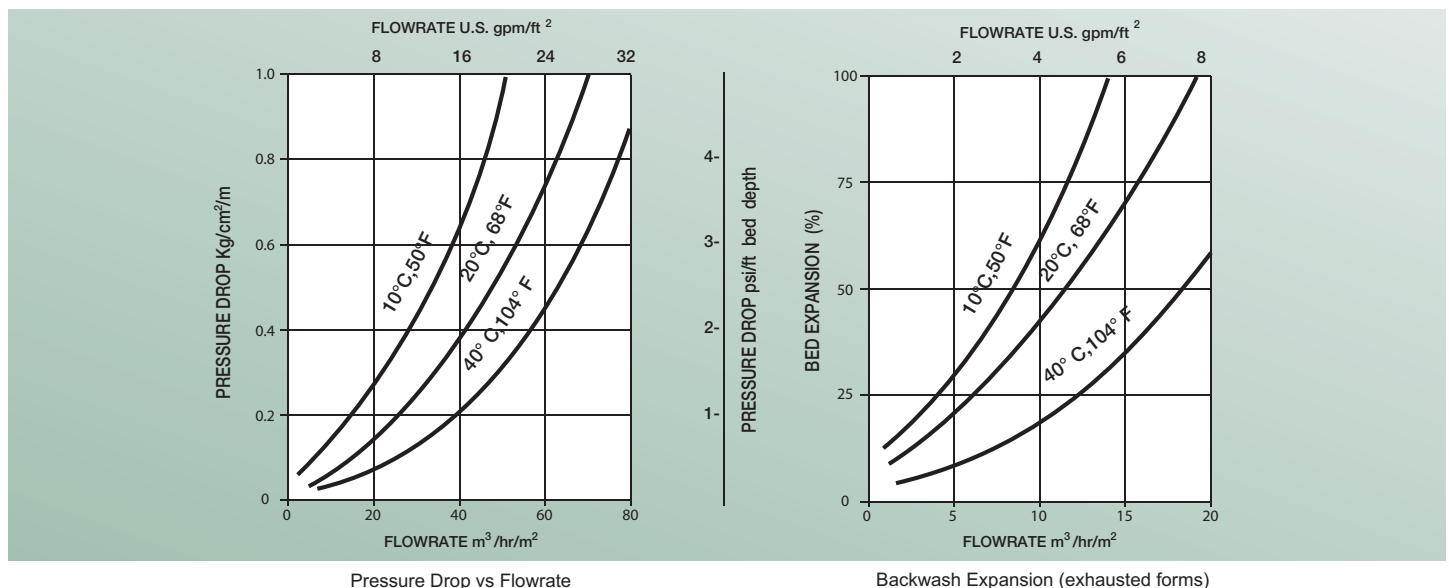
Polymer Structure:	Macroporous, cross-linked polystyrene
Functional Group:	Aminomethyl phosphonic
Ionic Form as Shipped:	Sodium
Physical Form:	Moist spherical beads
Screen size USS (wet):	16 to 50
Particle size (95% minimum):	0.3 to 1.2mm
pH Range:	0 to 14
Moisture Content	50% maximum
Solubility:	Insoluble in all common solvents
Backwash settled density:	720 to 760 g/liter
Swelling (approx):	H+ to Na+ 35%
Thermal Stability:	80°C
Total Capacity (H <sup>+</sup> ):	2.0 meq/ml minimum

## Safety Information

A material safety data sheet is available for Aldex CR 2012. Copies can be obtained from Aldex Chemical Co., LTD. Aldex CR 2012 is not a hazardous product and is not WHMIS controlled.

Caution: Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Before using strong oxidizing agents in contact with ion exchange resin, consult sources knowledgeable in the handling of these materials.

## Hydraulic Characteristics



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