

Aldex Chelation Resin (CR) Series

CR 29 Chelation Resin Series

Aldex CR 29 is an **extremely durable** macroporous resin containing iminodiacetic acid groups to polystyrene copolymer matrix. Aldex CR 29 is recommended for the **ultra purification of brine** required in the chloro-alkali industry deploying membrane cell process. Its **high porosity** and **larger surface area** gives higher operating capacities.

Physical Chemical Properties

Polymer Structure:	Macroporous, cross-linked polystyrene
Functional Group:	Iminodiacetic acid
Ionic Form as Shipped:	Sodium
Physical Form:	Moist spherical beads
Particle Size (95% minimum):	0.3 to 1.2 mm
pH Range:	9 to 11
Moisture Content:	50% maximum
Solubility:	Insoluble in all common solvents
Backwash settled density:	720 to 790 g/liter
Swelling (approx):	H+ to Na+ 35%
Thermal Stability:	80°C
Total Capacity (H ⁺):	2.0 meq/ml

Safety Information

A material safety data sheet is available for Aldex CR 29. Copies can be obtained from Aldex Chemical Co., LTD. Aldex CR 29 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.

Backwash Characteristics

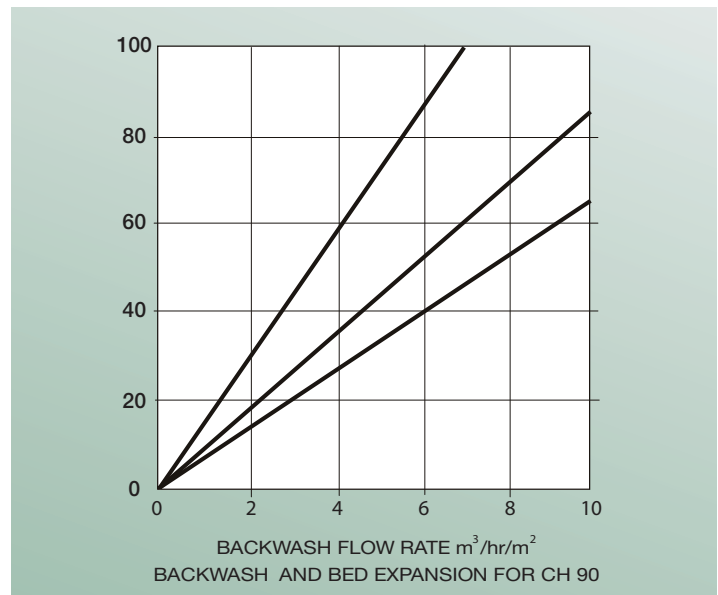


Fig. 1 Backwash flowrate

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