Aldex Chelation Resin (CR) Series

CR 80 Chelation Resin Series

Aldex CR 80 is a specially developed chelating resin for selective removal of mercury and noble metals from industrial effluents. Aldex CR 80 is a macroporous resin having poly-isothiouronium group, which is highly selective for mercury. It is also selective to other noble metals like gold, platinum and metals of the platinum group. Sodium, alkaline earth and heavy metals such as iron, copper, and lead do not interfere in the selective removal of mercury and noble metals.

Physical Chemical Properties

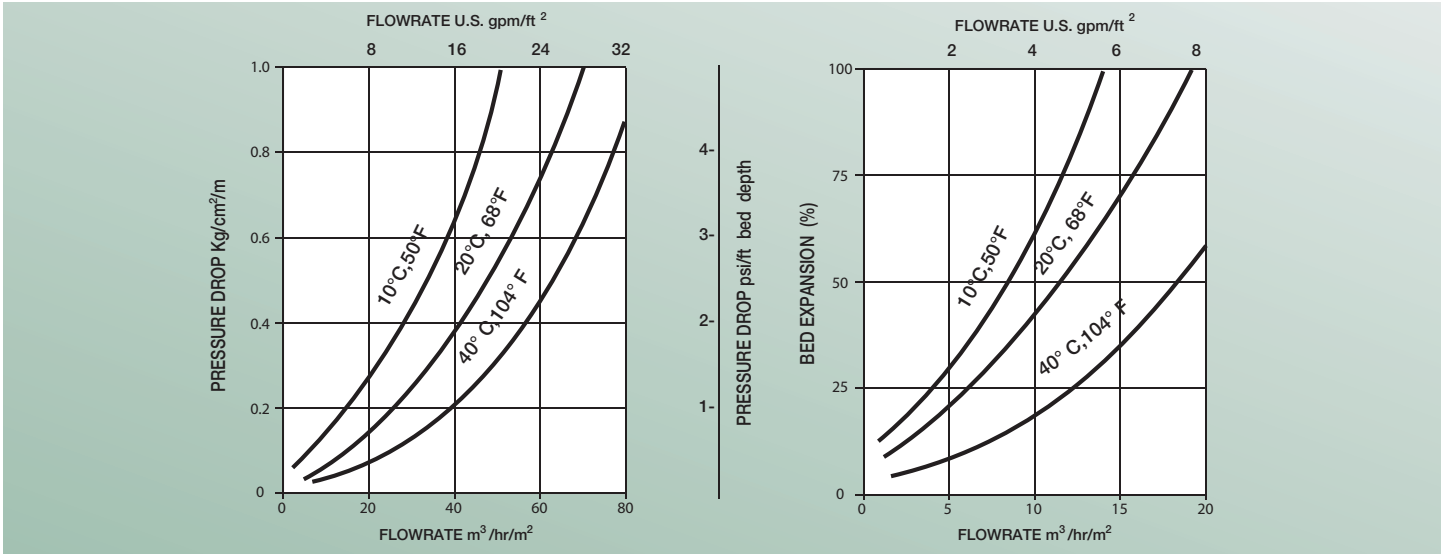
Polymer Structure:	Macroporous, cross-linked polystyrene
Functional Group:	Isothiouronium
Ionic Form as Shipped:	Hydrogen
Physical Form:	Moist spherical beads
Particle size (95% minimum):	0.3 to 1.2 mm
pH Range:	1 to 13
Moisture Content:	50 ± 3%
Solubility:	Insoluble in all common solvents
Backwash settled density:	700 to 735 g/liter (44-46 lbs/ft^3)
Thermal Stability:	175ºF / 80ºC
Total Capacity (H^+):	1.25 meq/ml minimum
(H^+):	200g Hg/l (12.5 lbs/ft^3)

Safety Information

A material safety data sheet is available for Aldex CR 80. Copies can be obtained from Aldex Chemical Co., LTD. Aldex CR 80 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



Pressure Drop vs Flowrate

Backwash Expansion (exhausted forms)

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