AMBERJET™ 1200 H  Industrial Grade Strong Acid Cation Exchanger

Description

AMBERJET 1200 H resin is a uniform particle size, high quality, strong acid cation exchanger designed for use in all general demineralisation systems. The uniformity and mean particle size of AMBERJET 1200 H resin have been optimised for use in industrial demineralisation equipment including mixed beds when paired with AMBERJET 4200 Cl resin. AMBERJET 1200 H resin can be directly substituted for conventional gel cation exchange resin in new equipment and in rebeds of existing installations.

Performance

Operating capacity and sodium leakage depend on several factors such as water analysis, temperature and regenerant level. The engineering data sheets EDS 0355 A, 0356 A, 0359 A, and 0360 A, provide information to calculate them.
Limits of Use

AMBERJET 1200 H resin is suitable for industrial uses. For all other specific applications such as pharmaceutical, food processing or potable water applications, it is recommended that all potential users seek advice from Rohm and Haas in order to determine the best resin choice and optimum operating conditions.

Hydraulic Characteristics

Figure 1 shows the bed expansion of AMBERJET 1200 H resin as a function of backwash flow rate and water temperature. Figure 2 shows the pressure drop data for AMBERJET 1200 H resin as a function of service flow rate and water temperature. Pressure drop data are valid at the start of the service run with a clear water and a correctly classified bed.

![Fig. 1: Bed Expansion](image)

![Fig. 2: Pressure Drop](image)

All our products are produced in ISO 9001 certified manufacturing facilities.

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Ion exchange resins and polymeric adsorbents, as produced, contain by-products resulting from the manufacturing process. The user must determine the extent to which organic by-products must be removed for any particular use and establish techniques to assure that the appropriate level of purity is achieved for that use. The user must ensure compliance with all prudent safety standards and regulatory requirements governing the application. Except where specifically otherwise stated, Rohm and Haas Company does not recommend its ion exchange resins or polymeric adsorbents, as supplied, as being suitable or appropriately pure for any particular use. Consult your Rohm and Haas technical representative for further information. Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Nitric acid and other strong oxidizing agents can cause explosive type reactions when mixed with Ion Exchange resins. Proper design of process equipment to prevent rapid buildup of pressure is necessary if use of an oxidizing agent such as nitric acid is contemplated. Before using strong oxidizing agents in contact with Ion Exchange Resins, consult sources knowledgeable in the handling of these materials.

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