

Stripping and Absorber Towers

HETRON Epoxy Vinyl Ester Resins – Case History



Technical Data

Each packed column is 13.5 feet in diameter and 65-68 feet tall and weighs 37,000 lbs a piece.

Service Conditions

60% solution of hydriodic acid, 30% sulfuric acid, water and iodine at a concentration of 100 grams/liter. The normal operating temperature is 46 - 48°C (115 - 118°F) with a maximum operating temperature of 60°C (141°F). Each unit runs at a pH of three or less.

Location / Year

Woodward Iodine Corporation
Woodward, Oklahoma
Installed in 2009

Fabricator

Belco Manufacturing
Belton, Texas

Fabrication

HETRON 980/35 epoxy vinyl ester resin
Two layers of 'C' glass veil with minimum 200 mil thickness corrosion barrier

Design / Comment

The original columns were fabricated with Ashland's HETRON 197 resin and performed well for 28 years. The new columns were installed as part of a technical enhancement to the extraction process. As Rick Ramirez, Belco Operations Manager comments, "The lower styrene emission levels with HETRON 980/35 resin are good for employee hygiene and our emission requirements. We like HETRON 980/35 resin because it is flexible and easy to process. Its low exotherm also means that it is easier to make high pressure flanges by reducing the possibility of flange warping."

NOTICE : No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN ; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world. © Registered trademark and ™ trademark of Ashland Inc.
* Registered service mark of the American Chemistry Council, © 2009 Ashland
<http://www.ashland.com>, <http://www.hetron.com>