



We create chemistry

Durasorb[®] Mixed Bed Design

BASF Durasorb[®] is a family of products developed in combination with proprietary system design software to complement each other for the purification of Natural Gas streams. Based on the long and successful history of BASF Sorbead[®] for hydrocarbon and water dew point control, BASF Durasorb[®] products are designed to work together to provide optimum solutions for the most difficult gas processing conditions, including retrofit of existing units.

Bed Design

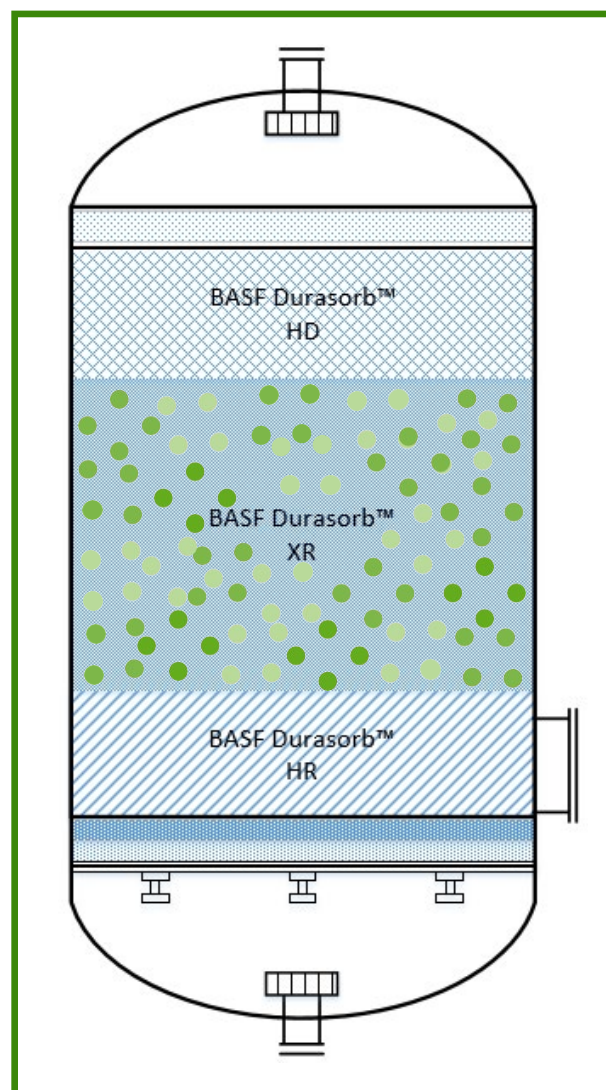
Durasorb[®] mixed layer bed design consists of a top layer of Durasorb[®] HD, a middle layer of Durasorb[®] XR, and a bottom layer of Durasorb[®] HR.

Application

Durasorb[®] HD is a water-resistant silica gel used to protect the bed from liquid water. The Durasorb[®] XR layer is a mixture of Durasorb[®] HD and Durasorb[®] HR. The mixing of a water-resistant silica gel with a specialized, attrition resistant molecular sieve eliminates the chance of reflux condensation and hydrothermal damage during regeneration. The final layer of Durasorb[®] HR provides dehydration to cryogenic dewpoints. This bed design is ideal for cryogenic gas processing plants looking to increase gas throughput.

Benefits

- ▶ Eliminates free water from sieve containing portion of the bed
- ▶ Reduces coking and attrition formation on sieve
- ▶ Provides longer bed life



About Us

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts and adsorbents, refinery catalysts and custom catalysts. In the process catalysts business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

The division's portfolio also includes battery materials and recycling solutions, as well as environmental catalysts and metal solutions. Customers from a variety of industries including Automotive & Transportation, Chemicals, Plastics or Energy & Resources benefit from our innovative solutions. Further information on BASF's Catalysts division is available on the Internet at www.catalysts.basf.com.

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Americas

BASF Corporation
Phone: +1-732-205-5000
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
Phone: +86-21-2039 2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF Services Europe GmbH
Phone: +49-30-20055000
Email: catalysts-europe@basf.com

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