

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

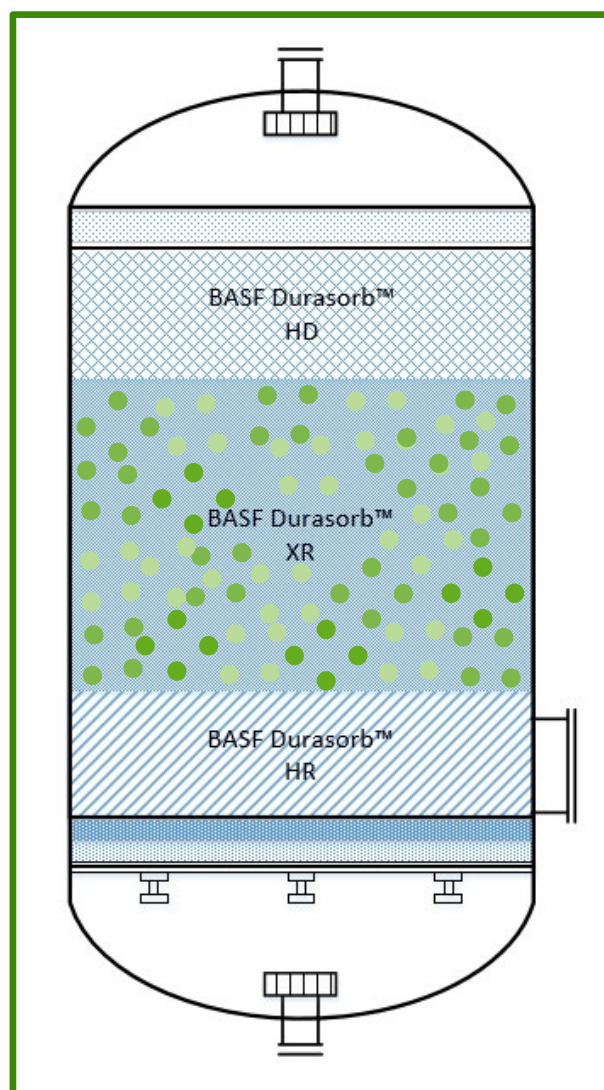
Durasorb™ mixed layer bed design consists of a top layer of Durasorb™ HD, a middle layer of Durasorb™ XR, and a bottom layer of Durasorb™ HR.

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's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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