

Cryosorb®

Sorbent Retainers

Advantages

- Adsorbs atmospheric gases to absolute pressure
- Excellent heat transfer properties
- High affinity for nitrogen, oxygen and carbon dioxide

Cryosorb® Sorbent Retainers

Cryosorb® sorbent retainers are widely used in the insulating annulus of many cryogenic storage vessels manufactured today. Cryosorb® retainers have a very high affinity for trace atmospheric gases such as nitrogen, oxygen and carbon dioxide at cryogenic temperatures.

Cryogenic Storage Vessels Down to Absolute Pressure

Cryosorb retainers will pump vacuum insulating areas in cryogenic storage vessels down to less than 1/10 of a micron, absolute pressure, after taking over when the mechanical evacuation equipment is sealed off, and the retainer is pierced.



Excellent Heat transfer Properties

Cryosorb sorbent retainers have excellent heat transfer properties. They will maintain the activity of the adsorptive material until the insulating annulus is sealed off. In some cases, this eliminates the necessity for reactivating the adsorptive material by heating the Bessel and evacuating.

Applications

- Insulating cryogenic storage vessels



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