

Drying of inert gas with zeolite clinoptilolite

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Abstract

Aluminosilicate molecular sieves (zeolite), thanks to the features of the porous structure and the chemical nature, are the best adsorbents applied in technological processes of division, cleaning and a deep drying of gas and liquid mixes. However widespread introduction of synthetic zeolites in the industry is slowed down due to their relative high cost. In this regard, the use of the natural zeolites considerable deposits of which are found both in Russia, and abroad is of special interest.

The paper presents a study on the use of natural zeolite clinoptilolite to dry the inert gas.