

Institute of Chemical Engineering

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The study on the separation of methane - nitrogen mixtures in commercial membrane modules

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Abstract: The basic aim of this study was to analyze the possibility of using commercial membrane modules to the removal of CH₄ from ventilation air methane (VAM). Experimental investigations concerning the permeation of pure gases (CH₄, N₂) and mixture of these gases, in three membrane modules, were carried out. An important conclusion is that the UBE modules may successfully be used in the enrichment of dilute mixtures of methane and nitrogen.

Attachments:

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