

Institute of Chemical Engineering

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

Publication date:	29.12.2016
Publication title:	The study on the separation of methane - nitrogen mixtures in commercial membrane modules
Authors:	Marek Tańczyk , Manfred Jaschik , Krzysztof Warmuziński , Aleksandra Janusz-Cygan , Artur Wojdyła , Elżbieta Sołtys
Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	membrane separation , ventilation air methane , commercial membrane modules

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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Created at:	04.08.2025
Published by:	Artur Wojdyła
Published at:	05.08.2025 08:19
Number of downloads:	383

Tagi: membrane separation, ventilation air methane, commercial membrane modules

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Published by:	Artur Wojdyła
Published at:	18.09.2025 13:06
Number of views:	320