

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/investigation-on-separation-of-mixtures-of-nitrogen-carbon-dioxide-water-vapor-in-the-membrane-module>

## Investigation on separation of mixtures of nitrogen - carbon dioxide - water vapor in the membrane module

<b>Publication date:</b>	30.12.2014
<b>Publication title:</b>	<a href="#">Investigation on separation of mixtures of nitrogen - carbon dioxide - water vapor in the membrane module</a>
<b>Authors:</b>	<a href="#">Marek Tańczyk</a> , <a href="#">Manfred Jaschik</a> , <a href="#">Krzysztof Warmuziński</a> , <a href="#">Aleksandra Janusz-Cygan</a>
<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
<b>Tags:</b>	<a href="#">membrane separation</a> , <a href="#">carbon dioxide</a> , <a href="#">water vapor</a>

**Abstract:** The main aim of the study was to experimentally determine the impact of water vapor in the process of carbon dioxide separation from flue gases. The conducted research allowed us to determine the data required for the calculation of the process of permeation and unambiguously confirmed that the impact of the water vapor in the process of separation of CO<sub>2</sub> from flue gases cannot be ignored.

## Attachments:

[Zeszyt-18-2014](#) pdf, 6.25 MB

<b>Created at:</b>	04.08.2025
<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	04.08.2025 12:47
<b>Number of downloads:</b>	117

Tagi: membrane separation, carbon dioxide, water vapor

# Metryczka

<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	18.09.2025 14:45
<b>Number of views:</b>	115