

Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/rating-of-utilization-option-of-energy-from-coal-mines-ventilation-air-methane-combustion-for-desalination-plants>

Rating of utilization option of energy from coal mines ventilation air methane combustion for desalination plants

Publication date:	29.12.2016
Publication title:	Rating of utilization option of energy from coal mines ventilation air methane combustion for desalination plants
Authors:	Krzysztof Gosiewski
Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	methane combustion , water desalination , ventilation air , energy recovery

Abstract: Combustion of lean methane contained in the hard coal mines ventilation air raises a problem of rational use of the obtained energy. An analysis of energy demand for various desalination methods was done. The paper presents a study of possibilities to utilize energy of the ventilation air methane for desalination of mine sewage in the cogeneration system, which fully exploits the produced heat and electrical energy.

Attachments:

[Zeszyt-20-2016](#) pdf, 4.77 MB

Created at:	04.08.2025
Published by:	Artur Wojdyła
Published at:	05.08.2025 08:19
Number of downloads:	440

Tagi: methane combustion, water desalination, ventilation air, energy recovery

Metryczka

Published by:	Artur Wojdyła
Published at:	18.09.2025 13:07
Number of views:	161