

# 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

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**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

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

# Metryczka

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