

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/flow-resistance-of-streamlined-structures>

## Flow resistance of streamlined structures

<b>Publication date:</b>	28.12.2023
<b>Publication title:</b>	<a href="#">Flow resistance of streamlined structures</a>
<b>Authors:</b>	<a href="#">Anna Gancarczyk</a> , <a href="#">Marzena Iwaniszyn</a> , <a href="#">Katarzyna Sintera</a> , <a href="#">Mateusz Korpyś</a> , <a href="#">Andrzej Kołodziej</a> , <a href="#">Tadeusz Kleszcz</a> , <a href="#">Mikołaj Suwak</a>
<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
<b>Tags:</b>	<a href="#">short-channel structures</a> , <a href="#">streamlined structures</a> , <a href="#">flow resistance</a>

**Abstract:** The paper presents flow resistance of a new type of catalytic carriers - streamlined structures. They are short-channel structures (short monoliths) of various channel cross-sectional shape. The innovation of the design is channel wall similar to the airfoil profile. The influence of the structure length and the channel cross-sectional shape on flow resistance is presented. The results are also compared with the values for monolith and packed bed.

## Attachments:

[Zeszyt 27 \(2023\)](#) pdf, 3.31 MB

<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	18.09.2025 09:07
<b>Number of downloads:</b>	81

Tagi: short-channel structures, streamlined structures, flow resistance

## Metryczka

<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	18.09.2025 11:34
<b>Last edited by:</b>	Artur Wojdyła
<b>Last edited at:</b>	18.09.2025 11:43
<b>Number of views:</b>	97