

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/gas-holdup-in-airlift-reactors-literature-study-and-measurements>

## Gas holdup in airlift reactors: literature study and measurements

<b>Publication date:</b>	30.12.2015
<b>Publication title:</b>	<a href="#">Gas holdup in airlift reactors: literature study and measurements</a>
<b>Authors:</b>	<a href="#">Anna Szczotka</a> , <a href="#">Rafał Sarzyński</a> , <a href="#">Hanna Kolarczyk</a> , <a href="#">Agnieszka Gąszczak</a>
<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
<b>Tags:</b>	<a href="#">airlift reactor</a> , <a href="#">hydrodynamics</a> , <a href="#">gas holdup</a>

**Abstract:** Basic types of airlift reactors are presented and hydrodynamic regimes of their operation are described. Influence of some parameters (gas and liquid velocity, reactor geometry and liquid properties) on gas holdup in airlift reactor is discussed. Results of gas holdup measurements in internal loop reactor are pre-sented.

## Attachments:

[Zeszyt-19-2015](#) pdf, 5.37 MB

<b>Created at:</b>	04.08.2025
<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	04.08.2025 13:29
<b>Number of downloads:</b>	165

Tagi: airlift reactor, hydrodynamics, gas holdup

## Metryczka

<b>Published by:</b>	Artur Wojdyła
----------------------	---------------

<b>Published at:</b>	18.09.2025 13:28
<b>Number of views:</b>	191