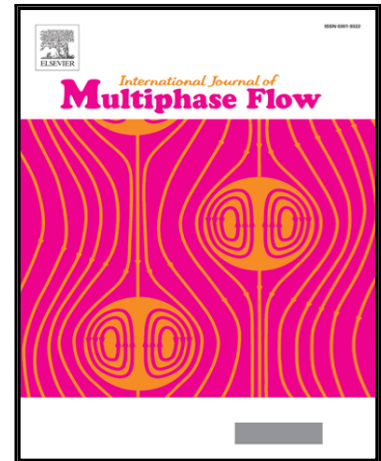


Accepted Manuscript

Droplet dynamics and size characterization of high-velocity airblast atomization

András Urbán , Matouš Zaremba , Milan Malý , Viktor Józsa ,
Jan Jedelský

PII: S0301-9322(16)30309-3
DOI: [10.1016/j.ijmultiphaseflow.2017.02.001](https://doi.org/10.1016/j.ijmultiphaseflow.2017.02.001)
Reference: IJMF 2537



To appear in: *International Journal of Multiphase Flow*

Received date: 23 May 2016
Revised date: 18 December 2016
Accepted date: 5 February 2017

Please cite this article as: András Urbán , Matouš Zaremba , Milan Malý , Viktor Józsa , Jan Jedelský , Droplet dynamics and size characterization of high-velocity airblast atomization, *International Journal of Multiphase Flow* (2017), doi: [10.1016/j.ijmultiphaseflow.2017.02.001](https://doi.org/10.1016/j.ijmultiphaseflow.2017.02.001)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- The spray from an airblast atomizer was investigated by the Phase-Doppler technique.
- The drop size-velocity data determined the properties of the gas and droplet phases.
- Formulae to estimate mean diameters and size distributions of sprays were evaluated.
- The Gamma PDF described most accurately the size distribution of the spray.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4994862>

Download Persian Version:

<https://daneshyari.com/article/4994862>

[Daneshyari.com](https://daneshyari.com)