

## عنوان مقاله:

Effect of Sparger on Gas Holdup and Distribution Pattern in Liquid Sulfur-Nitrogen System

## محل انتشار:

چهارمین کنفرانس بین المللی نوآوری های اخیر در شیمی و مهندسی شیمی (سال: 1396)

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## خلاصه مقاله:

The gas-liquid system is an interesting subject in the field of chemical engineering. Here, sulfur at the temperature of 140°C was considered as the liquid phase, and nitrogen gas was distributed inside it by using porous spargers. Results showed that the sparger, which possessed higher surface area could generate higher gas holdup in the liquid sulfur. This was attributed to the formation of finer bubbles in the same gas velocity. The gas holdup was measured by using level difference and image recording techniques.

## کلمات کلیدی:

Liquid sulfur, Sparger, Nitrogen distribution, Bubble

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/675824>

