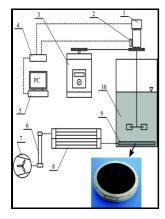
# Self-aspirating agitator for gas/liquid contacting.

# University of Birmingham - TURBULATOR TECHNOLOGIES



Description: -

- -self-aspirating agitator for gas/liquid contacting.
- -self-aspirating agitator for gas/liquid contacting.

Notes: Thesis (Ph. D.)- Univ. of Birmingham, Dept. of Chemical

Engineering.

This edition was published in 1975



Filesize: 65.64 MB

Tags: #Reduction #of #Energy #Consumption #in #Gas

## Agitator, Mixers and Impellers

The axial flow turbine is a classic medium shear impeller. Suggested tank volume for this mixer 5,000 to 10,000 gallons.

#### Agitator, Mixers and Impellers

Chemical Engineering Science 1976, 31 4, 309-317.

## Gas Absorption in Agitated Gas

Efficient dispersion is not sensitive to the details of sparger design providing that the supplied gas reaches and is distributed by the impeller.

## Design of agitators for gas

The allowable stress in the impeller is assumed to be 0. The Canadian Journal of Chemical Engineering 1976, 54 4, 319-325.

## **TURBULATOR TECHNOLOGIES**

This 2 HP mixer is perfect for USA or international applications. These motors are also inverter rated and can be safely wired into a variable speed control system. It has been figured out that the optimal dimensions of impeller are when the gap between the impeller tip and the internal container surface is minimum because it forces the flow to motion in the axial flow direction and no more flow can escape between the impeller and internal container.

### TRN

It has the power to meet the most demanding oxygen transfer and mixing requirements. Shop impeller mixer products and more online at Mixer Direct today.

## **Reduction of Energy Consumption in Gas**

The liquid contacts the blade and moves outward to to flow over the teeth breaking the agglomerations into increasing smaller particles. Chemical absorption into slurry in gas-sparged stirred vessel under continuous operation. The liquid contacts the blade and moves outward to to flow over the teeth breaking the agglomerations into increasing smaller particles.

## **Impellers**

Almost every process industry utilizes this product in some capacity, from chemical and coatings, to pharmaceutical and construction.

## **Related Books**

- Who runs Chicago?
- Precious and fashion jewelry markets an analysis of current markets and prospects for future growt
  Lineare Programmierung und Erweiterungen
- Descentralización en Colombia estudios y propuestas
- Analysis of data introductory statistics for the behavioral sciences. --