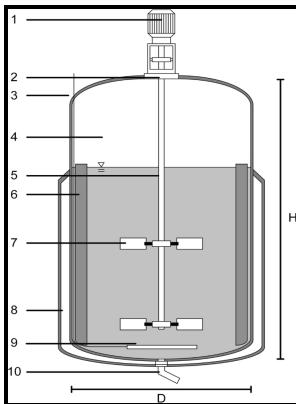


Influence of agitator type on fluid dynamics and oxygen mass transfer in a pilot scale mixing vessel

University of Birmingham - Shear Thinning Fluid Mixing in Unbaffled Stirred Vessels.



Description: -

-influence of agitator type on fluid dynamics and oxygen mass transfer in a pilot scale mixing vessel

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Notes: Thesis (Ph.D) - University of Birmingham, School of Chemical Engineering.

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Agitators Designed and Manufactured by AFX Holdings

Figure 12 Stages of wetting for fine powder compared to drop size.

Anti Bribery & Corruption Policy ★ AFX Holdings

A discussion on the effects of acid to base ratio, selection of threshold value, and illumination around the vessel was also given by Cabaret and others 2007a.

Cellular response to agitation characterized by energy dissipation at the impeller tip

On the other hand, C-polarization phenomena may significantly be reduced by suitably choosing the hydrodynamic regime within the stack.

Static mixers: Mechanisms, applications, and characterization methods

Good Laboratory Practice Regulations: Second Edition, Revised and Expanded, edited by Sandy Weinberg 125.

Dynamic modelling of an industrial R2R FCC unit

Chukwunweike Onukwo G, Okoye J. This type of impeller is used for applications which require higher power draw and a lower efficiency in terms of mixing.

Cellular response to agitation characterized by energy dissipation at the impeller tip

It may be modified by judicious selection of surfactants 27. In addition, the term of layering is applied to the coalescence of granules with primary feed powder.

Cellular response to agitation characterized by energy dissipation at the impeller tip

The rate of capillary fluid rise, or the rate of binding fluid penetration in wet granulation, increases with increasing pore radius generally coarser powders with larger surface—volume average particle size , increasing adhesion tension increased surface tension and decreased contact angle , and decreased binder viscosity.

Shear Thinning Fluid Mixing in Unbaffled Stirred Vessels.

Increased efforts may be required during installation and cleaning of the vessels. The demands on the granulation properties were further enhanced in the 1970s as high-speed tablet and capsule filling machines with automated controls were introduced.

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