

Title (en)

VIBROMIXER FOR MIXING LIQUIDS, LIQUIDS WITH GASES, OR SOLIDS IN FLEXIBLE DISPOSABLE CONTAINERS

Title (de)

VIBROMISCHER ZUM MISCHEN VON FLÜSSIGKEITEN, FLÜSSIGKEITEN MIT GASEN ODER FESTSTOFFEN IN FLEXIBLEN EINWEGBEHÄLTERN

Title (fr)

MÉLANGEUR VIBRANT POUR MÉLANGER DES LIQUIDES, DES LIQUIDES AVEC DES GAZ OU DES SOLIDES DANS DES RÉCIPIENTS À USAGE UNIQUE

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Application

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Abstract (en)

[origin: WO2017214739A1] The invention relates to a device for mixing liquids, liquids with gases, or solids, consisting of a container (6) in the form of a disposable container and a drive shaft (2). The container (6) consists of a flexible plastic, and the drive shaft (2) is provided with a mixer plate (9) on the lower end of the drive shaft. The simplified vibromixer with a single use of the stirring or mixing container has a high mixing efficiency and mixing quality. The stirring power is introduced into the media to be stirred homogenously and with gentle shear stress. This is particularly useful in the preparation of medicines in the pharmaceutical industry, in biological applications such as fermentation processes, and in the cultivation of microorganisms in bioreactors but also in fields of application where mixing efficiency and quality with a high process flexibility are required in general. The mixing container (6) according to the invention allows a simple installation in the support container (5), can be removed in a simple manner after use, and can be completely disposed of or recycled. By using process-compatible flexible plastics, the system can be used with a high degree of compatibility and sterility.

IPC 8 full level

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