

Data Sheet

DBI 2000/20



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The high shear mixing and dispersing machine DBI 2000 is suited for batch operations with a recirculating loop and is directly mounted to the vessel bottom. The dispersing machine DBI 2000 enables suction, pumping, and self-cleaning under CIP conditions. The dispersing machine DBI 2000 has a patented two-stage design. This allows for it to be mounted onto a production plant in such a manner that the product is transferred through either one or both stages. The first level of the dispersing machine DBI 2000 has a bottom stirrer and a special pump rotor that creates turbulence in the vessel and high circulation capacities, even for highly-viscous products. The second stage of the dispersing machine DBI 2000 is equipped with a rotor-stator system that ensures qualitative homogenizing and tight particle size distribution. The suction of powders or liquids directly into the mixing chamber of the dispersing machine DBI 2000 is possible without an additional vacuum pump.

Technical Data

Max. total flow rate dispersing	20000 l/h
Max. total flow rate pumping	50000 l/h
max. viscosity final product	100000 mPas
Motor power	45 kW
Ident. No.	DBI2000/20