



High-Performance-Dissolver with Butterfly Mixer

- » **Powerful vertical Dissolver**
- » **The ideal solution for dispersing flowable products**
- » **Heavy-duty Butterfly Mixer**
- » **The ideal solution for homogenizing thixotropic and viscous products**
- » **Wall-mounted scrapers can be used optionally**
- » **High flexibility in the use of further mixing tools (e.g. combi disc or multisuction disc)**

In dispersion, the interaction of mass acceleration and friction forms the basis for the product-specific, ideal shear rate. The proven adjustment of mixing tool, geometry, speed and vessel dimensions produces a highly efficient mixing effect. A large-volume recirculation ensures that the solids are drawn in quickly.

Characteristics

- » Designed for the use of exchangeable mixing vessels
- » The combination with a press-out system ensures a residue-free emptying
- » Butterfly: The set-up of the machine resembles a floor-mounted Dissolver but is executed sturdier due to the higher mixing forces.
- » Use of a
 - a. Fine-toothed disc creates a strong shear rate between the (dissolver) disc and the vessel wall
 - b. Coarse-toothed disc for breaking up larger agglomerates and the use of abrasive products
 - c. Combi disc with additional wings for increased circulation
 - d. Multi-suction disc for maximum energy input due to parallel coupled disc(s) with shock loss-free connecting webs



High-Performance-Dissolver with Butterfly Mixer

Design Options

- » **Drive Power** 30 kW
- » **Drive power** adaptable to product characteristics
- » **Vessel Sizes** 150L total, Useful volume 100l max.
- » **Operating Pressures** from 0.05 to 1.2 bar abs.
- » Lift adjustment for customised vessel sizes
- » **Drive Power according to product characteristics** and scheduled quantity
- » **Removable mixing tools**
- » **Vacuum-sealed hood**
- » **Vacuum Design** with vacuum system and vacuum control
- » Single-arm wall scraper with own drive unit
- » Mobile **exchangeable vessel** (with/without double jacket/double bottom)
- » **Tempering System** (heating and/or cooling)
- » **Power loading below the product level** by means of vacuum suction
- » **FDA-, GMP- or SIL-compliant design**
- » Integrated CIP nozzles
- » **Explosion protection** according to **ATEX/Directive 2014/34/EU**
- » **Digital pressure gauge, temperature display, level and / or performance indication**
- » Automatic **speed regulation**
- » Hard-wired **relay control, compact controller or memory programmable controller (PLC)**
- » **Automatic mixing sequence** with variable time, rotation speed and vacuum setting
- » **Recipe management and dosing control**
- » **Batch-related logging of the operating, process and production data**
- » Touch screen operating panel with process visualization
- » Remote maintenance and remote diagnosis

Possible applications

Wide range of applications in the chemical, pharmaceutical, plastics processing as well as the paint, coatings and building materials industries.

A typical application is the production of:

- » Primers
- » Printing colours
- » Adhesives
- » Coatings
- » Plastic compound
- » Creams and ointments etc.

Call us: Sales Hotline +49 (0) 62 06 / 94 46 0