



High Shear Mixers/Powder Mixers/Mills/Granulators/Roller Compactors LÖDIGE LODIGE LABORATORY HIGH SHEAR MIXER

Images



Product details

Category:	Sold
Machine:	LODIGE LABORATORY HIGH SHEAR MIXER
Machine code:	LB399
Manufacturer:	LÖDIGE
Year of construction:	2014

Description



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With interchangeable vessels
Processes: mixing and granulating
Products: Powders and Granules

Process description:

A three- arm mixing impeller rotates close to the wall and bottom of the vertical cylindrical mixing drum. The shape and peripheral speed of the impeller are coordinated in such a way that the product forms a vortex. This achieves short mixing times and excellent mix quality.

A separately driven chopper unit disperses any lumps in the product, ensures uniform moistening and granulation of the powders. Chopper speed and shape can be chosen according to the products and processes. Liquid addition is carried out with a peristaltic pump or by manual addition

The liquid is added into the mix right above the chopper which achieves best possible dissipation of the liquid. The liquid can be just added to the mixer or sprayed onto it.

Product capacity: removable vessels with Volume 10 L (Batch size: 2 – 8 L) working volume 9 lt

Additional tulip chopper

One PT100 thermometer located at the cylindrical part of the mixing vessel to measure the product temperature.

Materials & surface finish

Product contact parts: AISI 316 L / polished Ra < 0.8 µm

Outside parts / Housing: AISI 304 I glass bead blasted

Seals: silicone, PTFE (FDA conform)

Filter bag: stainless steel filter cartridge

Control cabinet: painted steel housing; acc. to RAL

Dimensions & weights

Apparatus (w x d x h): 1000x500x742 mm

Weight: approx. 150 kg

Weight of 10 l vessel: approx. 15 kg