

## **Homogenizer 500W - H stand and dispersing shaft BGD**

**1431**

**BGD 749-2**

### **Product Description**

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Our BGD 749-2 Homogenizer is a high speed dispersing instrument for emulsification. It is based on the Rotor/Stator Technology. The shaft and rotor/stator can be disassembled for easy cleaning. You will receive the dispersing tools completely assembled for immediate use with your disperser.

The material is sucked in to the head axially, then accelerated using the rotor's high rpm rate, circumferential or peripheral velocity. The centrifugal acceleration between the outer rotor wall and the inner stator wall propels the material through the stator shearing slits.

This product is for laboratory use only and is used in chemical industry, cosmetic industry, pharmaceutical industry, paint industry as well as in universities and a wide range of medical laboratories. The unit is a high performance dispersing/homogenizing unit and also can be used as a high speed mixing unit with certain dispersing shafts. The drive unit can be used, based on the dispersing shaft used for volumes from 10ml to 8,000ml. There is a wide range of dispersing shafts with diameters of 20mm, 30mm and 40mm stator diameters. It is to be mounted on a stand and not used as a handheld instrument.



### **Technical Specification**

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- Top speed of high 10000-30000 rpm, reduces processing time significantly.
- Big safety switch for unexpected emergency stop.
- Smooth motor drive makes working, very safe and comfortable.
- Additional feature of automatic overload protection increases the life span of the motor.
- Smooth start also prevents unnecessary spills
- Viscosity up to 10,000 mPa.s
- Continuously adjustable speeds for better results
- Light-weighted and small-dimensioned for better handling
- Triple safety of the drive, overload protection and smooth start – against jerky work, safety switch
- 316L steel High quality dispersing tools as standard for better resistance to corrosion

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- Quick change system of the dispersing tools for a short changing time between preparations

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### **Main Technical Parameters**

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- Voltage 230V 50/60Hz or 110V 50/60Hz
- Power input/output 500/380 Watt
- Rotor speed: (22,7~36 m) /sec
- Weight: 1.3 kg
- Sound Pressure Level: 79 dB(A)
- Double Insulated
- Speed Setting: Infinitely Variable
- Permissible Ambient Temperature: 5°C- 40°C
- Relative Humidity: 85%
- Permissible Period of Operation: 100%
- Protection Grade: IP20
- Dimensions: 70mm x 70mm x 255mm
- Ordering Information:

BGD 749/1--- Homogenizer for solid-liquid mix (includes a BGD 749 drive, H-Stand and a BGD 1430 dispersing shaft)

BGD 749/2--- Homogenizer for emulsification (includes a BGD 749 drive, H-Stand and a BGD 1431 dispersing shaft)

### **Disclaimer**

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The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development