

# LR-5 High Shear Mixer

## LR-5

### Product Description

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Our LR-5 high shear mixer series is the most popular machine in our laboratory mixer series. It is the ideal choice for routine laboratory work, R&D, QA analysis and small-scale production in all industries.

The LR-5 high shear mixer series has a wide range of industrial applicability, through the replacement of stator and rotor, it can easily achieve mixing, homogenization, emulsification, dispersion, dissolution and other functions, which is incomparable with other similar equipment efficiency and flexibility. In addition, the LR-5 high shear mixer series is equipped with special on-line hybrid modifications, which can provide experimental data for large-scale continuous production.



### Technical Specification

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- All SUS304 food-grade stainless steel shell, corrosion-resistant, easy to clean, easy to handle.
- With servo motor, the speed can be adjusted arbitrarily in the range of 600-8000rpm, and with feedback device, the speed is stable and reliable, which can be used for reference in enlarging production.
- It can run continuously for more than 2 hours at full load to meet all kinds of rigorous experimental requirements.
- Various stator and rotor structures can be interchanged quickly to meet different requirements.
- Electric lifting structure, stable parking at any position.
- Optional: heating and temperature control device

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#### **Main Technical Parameters**

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- Minimum Working Volume (ml): 300
- Maximum Working Volume (ml): 5000
- Homogenizing head power (W): 800
- Nominal Maximum Speed (rpm): 8000
- Power: 220 V / 50 Hz
- Length (mm): 505
- Width (mm): 340
- Lowering Height (mm): 720
- Lifting Height (mm): 1010
- Special Functions: Homogenization time setting, up to 30 minutes / Homogeneous speed display
- Supplied with 4 different working heads:
  - Type A Universal Homogeneous Stator
  - Type B Homogenous Stator
  - Type C Pass Homogeneous Stator
  - Type D Homogeneous Stator

#### **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