

# Constant Temperature Electric Heated Vacuum Mixer

Item Number: JL08



## Introduction

Constant temperature electric heated vacuum mixer for bubble free viscous material processing with adjustable vacuum, precise heating, variable speed control, and transparent vessel visibility

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| Application                          | Description                                                                                                                                        | Key Benefit                                                                                               |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Pharmaceutical Formulation           | Mix viscous pharmaceutical pastes, gels, and other formulation materials under vacuum while applying controlled heat to improve flow.              | Reduces entrained gas and supports more consistent formulation quality.                                   |
| Adhesives and Sealants               | Process adhesive and sealant compounds that require thorough blending and controlled viscosity before dispensing or testing.                       | Helps produce smoother, bubble-reduced material for reliable application.                                 |
| Cosmetics and Fragrance Products     | Prepare cosmetic creams, viscous bases, fragrance compounds, and related products while visually monitoring material movement.                     | Supports controlled small-batch development with direct observation of the mixture.                       |
| Paints, Coatings, and Pigments       | Mix coating materials, pigment systems, and auxiliary additives whose viscosity can limit dispersion and uniformity.                               | Heating improves material flow, while vacuum operation helps reduce bubbles.                              |
| Electronics and New Energy Materials | Prepare viscous electronic materials, functional pastes, and new energy research formulations before coating, assembly, or performance evaluation. | Provides adjustable speed, temperature, and vacuum conditions for repeatable research batches.            |
| Fine Chemical and Academic Research  | Conduct laboratory-scale preparation, process development, and comparative experiments across a wide range of viscous materials.                   | The 50 ml to 1000 ml capacity range supports flexible development work with limited material consumption. |

| Parameter                         | Specification                  |
|-----------------------------------|--------------------------------|
| Product Item Number               | JL08                           |
| Maximum Vacuum                    | -0.1 MPa                       |
| Heating Working Temperature       | 50°C to 150°C, freely settable |
| Temperature Control Accuracy      | 1%                             |
| Mixing Capacity                   | 50 ml to 1000 ml               |
| Motor Power                       | 90 W                           |
| Mixing Speed                      | Adjustable from 30 to 466 rpm  |
| Torque at High Speed              | 21.3 kg·cm at 333 rpm          |
| Torque at Low Speed               | 6.9 kg·cm at 25 rpm            |
| Applicable Ambient Temperature    | -25°C to 40°C                  |
| Power Supply                      | 220 V ±10%                     |
| Mixer Dimensions                  | 380 × 290 × 580 mm             |
| Temperature Controller Dimensions | 260 × 220 × 125 mm             |
| Total Weight                      | 17 kg                          |