



## **High-Pressure Magnetic Stirring Reactor LD-LAR-A11**

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# High-Pressure Magnetic Stirring Reactor LD-LAR-A11

## Overview

A high-pressure magnetic stirring reactor is a specialized vessel engineered to perform chemical reactions under elevated pressures, and often high temperatures. It is built to withstand extreme conditions, ensuring safety and stability during processes that require precise control over pressure and temperature for optimal reaction outcomes. It offers excellent heat dissipation, low noise, and high resistance to both temperature and pressure. The reactor is easy to operate.

## Features:

- Explosion-proof design for enhanced safety
- Durable 304 stainless steel construction
- Efficient heat dissipation and low noise
- Simple operation and reliable performance
- High temperature and pressure resistance

## Applications:

It is Used for conducting chemical reactions under controlled high pressure and temperature in industries such as pharmaceuticals, petrochemicals, and environmental testing.

## Specifications:

|                          |                                                                              |
|--------------------------|------------------------------------------------------------------------------|
| Valve                    | Standard 2 card sleeve 3 mm or 6 mm (one take, one outlet)                   |
| Airway                   | Matching                                                                     |
| Volume                   | 100 ml                                                                       |
| Heating Mode             | Modular electric heating                                                     |
| Heating Power            | 0.8 kW                                                                       |
| Stirring Mode            | Bottom magnetic stirring                                                     |
| Pressure Gauge           | Standard pressure gauge 16 MP (can be equipped with negative pressure gauge) |
| Stirring Speed           | 1800 rpm                                                                     |
| Design Pressure          | 12.5 <sup>^</sup> 22 MPa                                                     |
| Temperature Hole         | Standard 8 mm                                                                |
| Design Temperature       | 260 °C                                                                       |
| Structural Material      | Conventional 304 SS (Optional 316 SS)                                        |
| Explosion - Proof Device | Matching                                                                     |