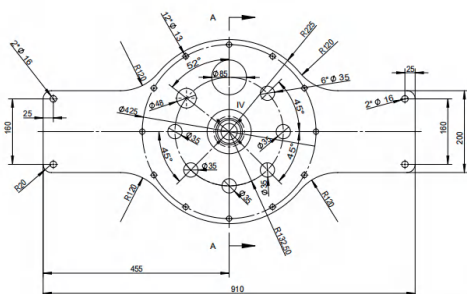




SR600 Series

- > Chemical Reaction
- > Evaporation, Precipitation, Crystallization
- > Filtration, Washing
- > Plant Extraction
- > Process Scale-up



Core Features

1. Versatile Capacity Options

- > Available in nominal/working volumes: 5L, 10L, 20L, 30L, 50L, 100L and 200L (or larger)
- > Multi-process compatibility: Supports diverse reactions in a single apparatus.

2. Compact & Mobile Design

- > Space-saving structure with a stainless steel frame on wheels for easy relocation.

3. Superior Corrosion Resistance

- > High-performance SUS316L stainless steel
- > PTFE, FFKM, PPL seals/lining for harsh chemical environments.

4. Efficient Heating & Temperature Control

- > Double-jacket design (heating/cooling jacket + insulation layer) ensures optimal thermal efficiency.
- > Baffle plates in the jacket for uniform heat distribution.

5. User-Friendly Maintenance

- > Manual lift-tilt & swing-out mechanism with locking for tool-free maintenance.
- > One person can perform system maintenance without auxiliary tools.

6. Modular Functional Upgrades

- > Customizable with plug-and-play modules:
 - Condensation reflux | Evaporation recovery
 - Crystallization | Filtration
- > Avoids over-engineering costs while enabling future expansions.

7. Robust & Safe Operation

- > Fully assembled, skid-mounted for quick installation.
- > Mechanical sealing ensures leak-proof performance.
- > Optional CIP (Clean-in-Place) compatible for efficient cleaning.

8. Durability for Demanding Applications

- > Suitable for lab and pilot production under rigorous conditions.

9. Certification & Compliance

- > CE certified (additional certifications available upon request).

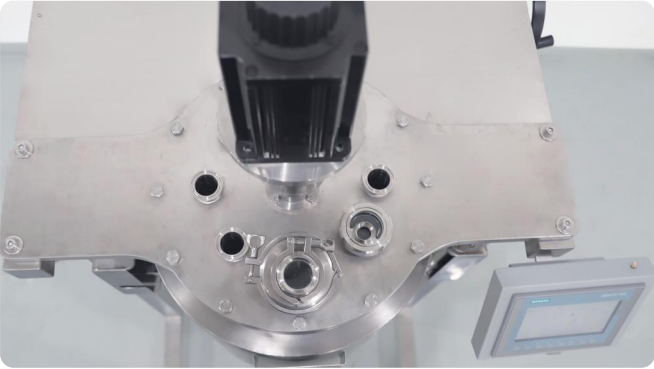
10. Turnkey Solutions

- > End-to-end service: consultation → design → manufacturing → delivery.



Model		SR600-5L	SR600-10L	SR600-20L	SR600-30L	SR600-50L
Nominal Volume	[Liter]	5L	10L	20L	30L	50L
Pressure Range	[bar]	-1~ +6.0	-1~ +6.0	-1~ +6.0	-1~ +6.0	-1~ +6.0
Design Temp. Range	[°C]	-20 ~250	-20 ~250	-20 ~250	-20 ~250	-20 ~250
Working Temp. Range	[°C]	-20 ~220	-20 ~220	-20 ~220	-20 ~220	-20 ~220
Heat Area	[m²]	0.20	0.32	0.50	0.65	0.91
Volume Below Stirrer	[Liter]	0.41	0.54	0.76	0.9	1.05
Agitator Speed Range	[rpm]	0...1000	0...1000	0...1000	0...1000	0...1000
Dimensions [W×H×D]	[m]	0.6*1.2*0.7	0.7*1.4*0.75	0.8*1.6*0.85	0.9*1.7*1	0.91*1.9*1

Explore the Details



Upgrade Options



Side Observation Window



Liquid Level Detection



PH Online Detection and Control

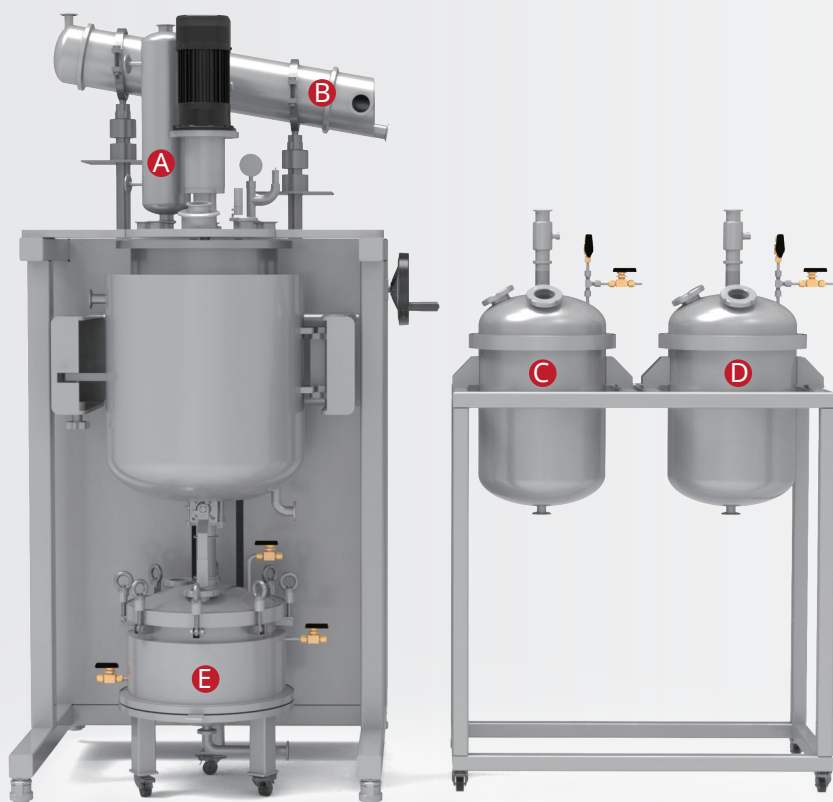


Magnetic Drive



Design Temperature of 300°C

Optional Functional Modules



> **Condensation Reflux Module**
[A] Integrated reflux condenser

> **Evaporation Recovery Module**
[B] Condenser
[C] Solvent Collection tank

> **Crystallization Module**
[E] Filtration
[D] Mother liquor tank

> **Multifunctional Module**
[B] Condenser
[C] Solvent Collection tank
[E] Filter
[D] Mother liquor tank

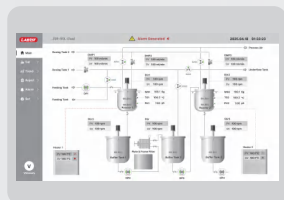
> **Ultrasonic Extraction Module**
 Boosts extraction & purity via ultrasonic cavitation



> **Spray Balls Module**



> **PLC Touch Screen Control Module**



> **Weighing Module**



> **CIP Cleaning Station**



> **Different Types of Impeller**



Scalable Solutions for Pilot & Production

Stainless Steel Reactor System [Up to 20m³]

For industrial-scale production requirements, we engineer and manufacture heavy-duty stainless steel reactor systems with capacities up to 20m³. These robust systems are designed for demanding applications in both pilot plants and full-scale manufacturing.

Built to the same exacting standards as our laboratory-scale reactors, these industrial models incorporate high-performance features such as premium corrosion-resistant alloys, modular components for flexible functionality, and highly efficient temperature control systems.

We provide on-site installation and commissioning services to ensure a seamless and reliable scale-up process from R&D to production. Backed by our comprehensive custom engineering support, we work with you to tailor a system to your specific technical and capacity requirements. Contact us to discuss your project and receive a customized solution.



Related Equipment



Cooling Circulator

- DL series: -20/-30/-40°C ~ RT
- DLH series: -120/-80/-40/-30/-20°C ~ RT



Heating Circulator

- UC series: RT ~ 200/300°C



Heating Cooling Circulator

- HR-F series: -25°C ~ 200°C
- HRV series: -100°C ~ 100°C, -80°C ~ 200°C, -40°C ~ 200°C, -40°C ~ 250°C



Vacuum Pump

- Water aspirator vacuum pump
- PTFE diaphragm vacuum pump
- Industrial water-jet vacuum pump system
- Screw pump