

Lab1st JSR-Basic series jacketed stainless steel reactors are designed as a multi-purpose reaction platform with controlled temperature and pressure environment. Each stainless steel jacketed reactor consists of SUS30408 stainless steel reaction vessel, sealing, agitation, temperature probe and digital display, and other accessories like coiled condenser, bottom discharge valve, etc.

The standard JSR-Basic series stainless steel reactors come with vessels from 1L to 150L. It also can be fully customizable to fulfill various needs, pneumatic stirring motor, jacketed electric heating, customized condenser, thermal insulation clothing, kettle body rotation and lifting, solvent collection bottle [glass/stainless steel], stirring paddle type, etc.



Jacketed Stainless Steel Reactor

Features:

- Larger vessel opening design, easier to clean
- Standard with agitation function, optional multi-layer stirring blades for optimal reaction results
- Rugged, High RPM stirring motor for superior stirring power
- Easily visual operation with digital speed and temperature displays
- Effective sealing design guarantees the inner vessel's vacuum
- Can be customized according to different requirements

Technical Data:

Model	JSR-50B
—— TECHNICAL DATA ——	
Temperature Range	RT-200°C
Range of Speed	0-600rpm
Heating Method	Jacket Fluid Heating
Material	SUS304
Vacuum Sealing	Mechanical Seal
Agitation Type	Anchor Stirring
—— ELECTRICAL REQUIREMENT ——	
Voltage [V]	220
Phase [P]	1
Frequency [HZ]	50/60

Total Power [W]	120
——VESSEL——	
Vessel Volume [L]	50
Jacket Volume [L]	30
Inner Vessel Diameter [mm]	360
Outer Vessel Diameter [mm]	460
Inner Vessel Height [mm]	550
Vessel Pressure [Mpa]	-0.1...0.6
Jacket Pressure [Mpa]	0.1...0.3
Drain Valve Port	1.5"TC
Jacket Port	3/4 [Male Thread]
——REACTOR LID——	
Port [Motor]	M59×2 [Male Thread]
Port [Solid Inlet/Sight Glass 1]	ø89mm
Port [Sight Glass 2]	ø57mm
Port [Reflux]	1.5"TC
Port [Liquid Inlet]	ø12mm Barb
Port [Thermometer]	1"TC
Port [Vacuum Gauge]	1/2" [Male Thread]
Port [Relief Valve]	1/2" [Male Thread]
Port [Inert Gas]	ø8mm [Male Thread]
——CONDENSER——	
Material	SUS304
Condenser Type	Shell-and Tube Condenser
Condenser Diameter [mm]	ø102mm
Condenser Height [mm]	530mm
Heat Exchange Area [m ²]	0.33
Condenser Liquid Inlet & Outlet Port	1/2" [Male Thread]
Vacuum Port	ø12mm Barb
——OPTIONS——	
Standard explosion-proof [ExibIIBT4Gb]	<input type="checkbox"/>
ATEX/IECEX explosion-proof motor [TECO]	<input type="checkbox"/>
Pneumatic mixing motor	<input type="checkbox"/>
Jacket electric heating	<input type="checkbox"/>
Condenser customization	<input type="checkbox"/>
Thermal clothing [High temperature coating + rubber and plastic sponge filling]	<input type="checkbox"/>
Kettle body rotation and lifting	<input type="checkbox"/>
Solvent collection bottle [glass/stainless steel]	<input type="checkbox"/>
Stirring paddle type	<input type="checkbox"/>
——DIMENSION——	
Unit Dimension [mm]	700×900×2050
Unit Weight [Kg]	105

Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)

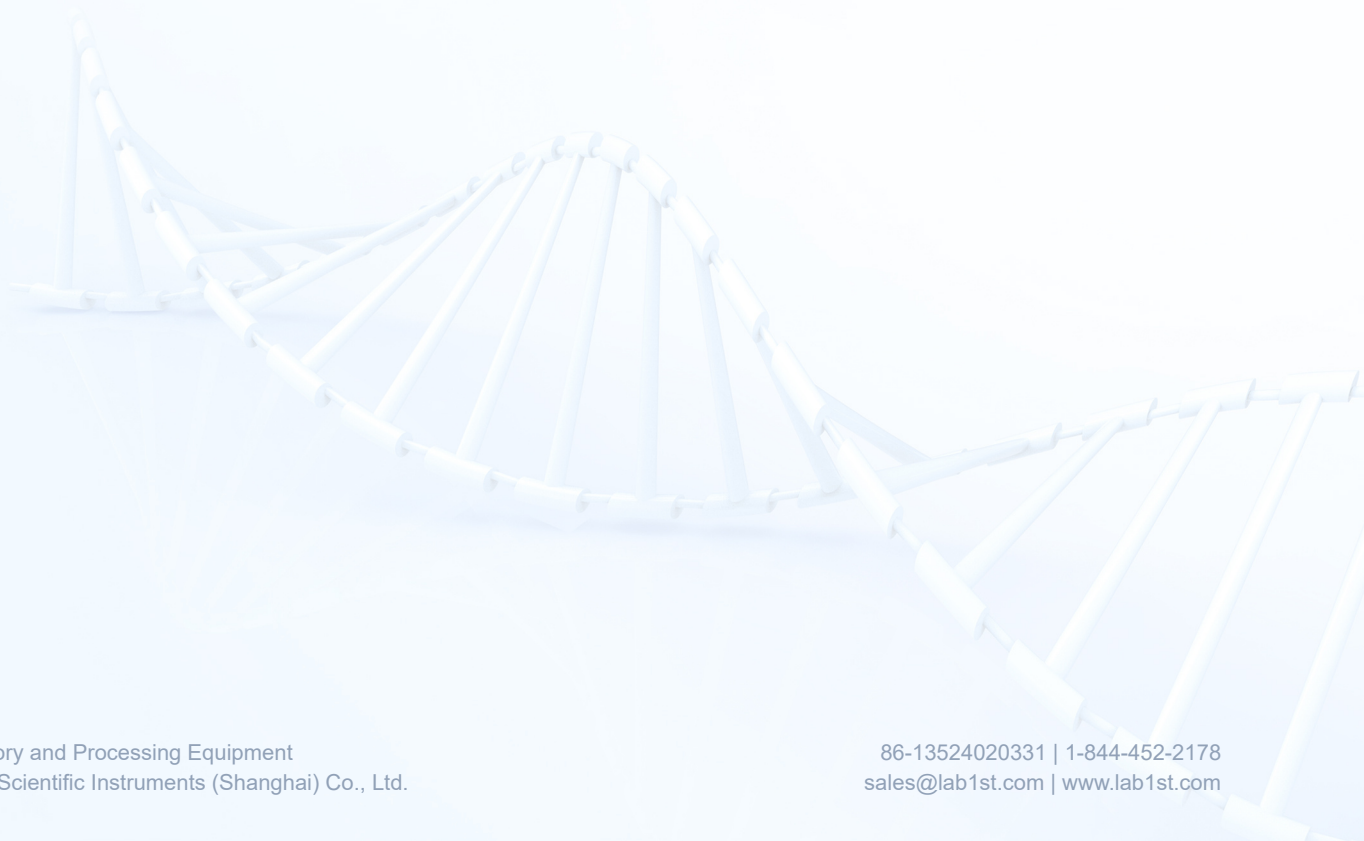
Weight (kg)

Total capacity

Product Serial No. 9259

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Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.



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Technical Data:

Model	JSR-100B
—— TECHNICAL DATA ——	
Temperature Range	RT-200°C
Range of Speed	0-600rpm
Heating Method	Jacket Fluid Heating
Material	SUS304
Vacuum Sealing	Mechanical Seal
Agitation Type	Anchor Stirring
—— ELECTRICAL REQUIREMENT ——	
Voltage [V]	220
Phase [P]	1
Frequency [HZ]	50/60

Total Power [W]	200
——VESSEL——	
Vessel Volume [L]	100
Jacket Volume [L]	58
Inner Vessel Diameter [mm]	500
Outer Vessel Diameter [mm]	600
Inner Vessel Height [mm]	680
Vessel Pressure [Mpa]	-0.1...0.6
Jacket Pressure [Mpa]	0.1...0.3
Drain Valve Port	1.5"TC
Jacket Port	3/4 [Male Thread]
——REACTOR LID——	
Port [Motor]	M59×2 [Male Thread]
Port [Solid Inlet/Sight Glass 1]	ø133mm
Port [Sight Glass 2]	ø76mm
Port [Reflux]	1.5"TC
Port [Liquid Inlet]	ø12mm Barb
Port [Thermometer]	1"TC
Port [Vacuum Gauge]	1/2" [Male Thread]
Port [Relief Valve]	1/2" [Male Thread]
Port [Inert Gas]	ø8mm [Male Thread]
——CONDENSER——	
Material	SUS304
Condenser Type	Shell-and Tube Condenser
Condenser Diameter [mm]	ø114mm
Condenser Height [mm]	530mm
Heat Exchange Area [m ²]	0.33
Condenser Liquid Inlet & Outlet Port	1/2" [Male Thread]
Vacuum Port	ø12mm Barb
——OPTIONS——	
Standard explosion-proof [ExibIIBT4Gb]	<input type="checkbox"/>
ATEX/IECEX explosion-proof motor [TECO]	<input type="checkbox"/>
Pneumatic mixing motor	<input type="checkbox"/>
Jacket electric heating	<input type="checkbox"/>
Condenser customization	<input type="checkbox"/>
Thermal clothing [High temperature coating + rubber and plastic sponge filling]	<input type="checkbox"/>
Kettle body rotation and lifting	<input type="checkbox"/>
Solvent collection bottle [glass/stainless steel]	<input type="checkbox"/>
Stirring paddle type	<input type="checkbox"/>
——DIMENSION——	
Unit Dimension [mm]	1000×1100×2100
Unit Weight [Kg]	170

Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)

Weight (kg)

Total capacity

Product Serial No. 9259

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