

Lab1st JSR-L 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-L series stainless steel reactors come with vessels from 1L to 300L or larger. It also can be fully customizable to fulfill various needs, like high torque high speed agitation, baffled reaction vessel, programmable controller, air driven motor, 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-200L
———— TECHNICAL DATA ————	
Temperature Range	RT ~ 200°C
Heating Method	Jacket Circulation Heating
Material	SUS30408
Vacuum Sealing	Rotary Lip Seal
Agitation Type	Single Layler Paddle Agitation
———— ELECTRICAL REQUIREMENT ————	
Voltage [V]	220
Phase [P]	1
Frequency [HZ]	50/60
Total Power [W]	550

Electric Cabinet	Explosion-proof Electric Cabinet
——VESSEL——	
Vessel Volume [L]	200
Inner Vessel Diameter [mm]	600
Inner Vessel Height [mm]	600
Vessel Pressure	Atm
Jacket Volume [L]	45
Outer Vessel Diameter [mm]	650
Jacket Pressure [Mpa]	0.1 ~ 0.3
Drain Valve Port	DN32 [ISO2852]
Jacket Port	DN25 [ISO2852]
——REACTOR LID——	
Port [Thermometer]	OD50.5 [ISO2852]
Port [Liquid Inlet]	DN15 [1"TC, OD50.5]
Port [Inert Gas]	DN15 [1"TC, OD50.5]
Port [Reflux]	DN50 [2"TC, OD64]
Port [Solid Inlet]	DN80 [3.5"TC, OD106]
Port [Sight Glass 1]	DN50 [2"TC, OD64]
Port [Sight Glass 2]	DN50 [2"TC, OD64]
Port [Stirring]	25mm [Shaft 20mm]
——CONDENSER——	
Heat Exchange Area [m ²]	0.3
Material	SUS304
Condenser Liquid Inlet & Outlet Port	14mm Barb
——COLLECTION TANK——	
Tank Volume [L]	20
Tank Dimension [mm]	Ø219×600
Sight Glass	2
——WEIGHT DIMENSION——	
Unit Dimension [mm]	1100×1500×2800
Unit Weight [Kg]	500

Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)
Weight (kg)	Total capacity
Product Serial No. 9145	2024-04-02 11:41:59

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

Lab1st JSR-L 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-L series stainless steel reactors come with vessels from 1L to 300L or larger. It also can be fully customizable to fulfill various needs, like high torque high speed agitation, baffled reaction vessel, programmable controller, air driven motor, 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-300L
—— TECHNICAL DATA ——	
Temperature Range	RT ~ 200°C
Heating Method	Jacket Circulation Heating
Material	SUS30408
Vacuum Sealing	Rotary Lip Seal
Agitation Type	Single Layler Paddle Agitation
—— ELECTRICAL REQUIREMENT ——	
Voltage [V]	220
Phase [P]	1
Frequency [HZ]	50/60
Total Power [W]	750

Electric Cabinet	Explosion-proof Electric Cabinet
——VESSEL——	
Vessel Volume [L]	300
Inner Vessel Diameter [mm]	700
Inner Vessel Height [mm]	700
Vessel Pressure	Atm
Jacket Volume [L]	60
Outer Vessel Diameter [mm]	750
Jacket Pressure [Mpa]	0.1 ~ 0.3
Drain Valve Port	DN32 [ISO2852]
Jacket Port	DN25 [ISO2852]
——REACTOR LID——	
Port [Thermometer]	OD50.5 [ISO2852]
Port [Liquid Inlet]	DN15 [1"TC, OD50.5]
Port [Inert Gas]	DN15 [1"TC, OD50.5]
Port [Reflux]	DN50 [2"TC, OD64]
Port [Solid Inlet]	DN80 [3.5"TC, OD106]
Port [Sight Glass 1]	DN50 [2"TC, OD64]
Port [Sight Glass 2]	DN50 [2"TC, OD64]
Port [Stirring]	25mm [Shaft 20mm]
——CONDENSER——	
Heat Exchange Area [m ²]	0.5
Material	SUS304
Condenser Liquid Inlet & Outlet Port	14mm Barb
——COLLECTION TANK——	
Tank Volume [L]	30
Tank Dimension [mm]	Ø273×600
Sight Glass	2
——WEIGHT DIMENSION——	
Unit Dimension [mm]	1200×1600×2900
Unit Weight [Kg]	600

Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)
Weight (kg)	Total capacity
Product Serial No. 9145	2024-04-02 11:42:25

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