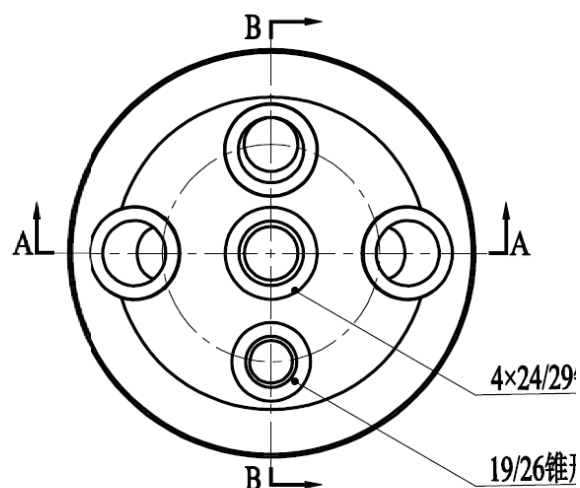


BR-1CE



Layout of Reactor Cover of
BR-1, BR-2, BR3

BR-1CE Double-Wall Glass Reactor

Model		BR-1CE
Electrical Requirements		1~, 220-240V/50Hz
Glass Parts	Glass Vessel Capacity	1L
	Cooling/Heating Jacket Capacity	0.3L
	Glass Type	Food grade borosilicate 3.3
	Temperature Range	-80~200°C
	Vessel endurable pressure	-0.1~0.0 Mpa
	Jacket endurable pressure	≤+0.03 Mpa
	Cooling Surface of Condenser	250cm ²
	Capacity of Constant Pressure Funnel	200ml
	Endurable Temperature Difference (ΔT)	≤80°C
	Vessel Cover	Domed with 5 openings
5 Openings	Opening for Stirring Shaft	24# standard Ground Mouth
	Opening for Temperature Sensor	24# standard Ground Mouth
	Opening to Connect Condenser	24# standard Ground Joint
	Opening to Feed Liquid Material	19# standard Ground Mouth
	Opening for Constant Pressure Funnel	24# standard Ground Joint
Stirring Parts	Motor Power	70W
	Controller	Digital controller with variable frequency
	Rotation Speed	40~500 rpm
	Stirring Shaft	PTFE covered stainless steel
	Stirrer	4-blade propeller
	Max. Torque	70 N-cm
	Max. Viscosity Mpas	100000
Safety	Over-heat, Over-load protection	
Drain Valve	1. Without dead volume 2. 100~210mm Above Floor (adjustable)	
Inlet/Outlet of Jacket	Flange Connection, ID φ 12mm	
Vacuum Sealing	PTFE	
Temperature Sensor	Pt100, PTFE reinforced stainless steel, Chemical Resistant	
Display Accuracy	±0.1°C	
Supporting Frame	Stainless Steel 304	
Safety	Over-heat, Over-load protection	
Dimensions(mm)	480W×420D×1100H	
Net Weight	50 KG	

BR-2CE

CE



BR-2CE Double-Wall Glass Reactor

Model		BR-2CE
Electrical Requirements		1~, 220-240V/50Hz
Glass Parts	Glass Vessel Capacity	2L
	Cooling/Heating Jacket Capacity	0.6L
	Glass Type	Food grade borosilicate 3.3
	Temperature Range	-80~200°C
	Vessel endurable pressure	-0.1~0.0 Mpa
	Jacket endurable pressure	≤+0.03 Mpa
	Cooling Surface of Condenser	250cm ²
	Capacity of Constant Pressure Funnel	200ml
	Endurable Temperature Difference (ΔT)	≤80°C
	Vessel Cover	Domed with 5 openings
5 Openings	Opening for Stirring Shaft	24# standard Ground Mouth
	Opening for Temperature Sensor	24# standard Ground Mouth
	Opening to Connect Condenser	24# standard Ground Joint
	Opening to Feed Liquid Material	19# standard Ground Mouth
	Opening for Constant Pressure Funnel	24# standard Ground Joint
Stirring Parts	Motor Power	70W
	Controller	Digital controller with variable frequency
	Rotation Speed	40~500 rpm
	Stirring Shaft	PTFE covered stainless steel
	Stirrer	4-blade propeller
	Max. Torque	70 N-cm
	Max. Viscosity Mpas	100000
	Safety	Over-heat, Over-load protection
Drain Valve	1. Without dead volume 2. 100~210mm Above Floor (adjustable)	
Inlet/Outlet of Jacket	Flange Connection, ID φ 12mm	
Vacuum Sealing	PTFE	
Temperature Sensor	Pt100, PTFE reinforced stainless steel, Chemical Resistant	
Supporting Frame	Stainless Steel 304	
Dimensions(mm)	480W×420D×1100H	
Net Weight	50 KG	

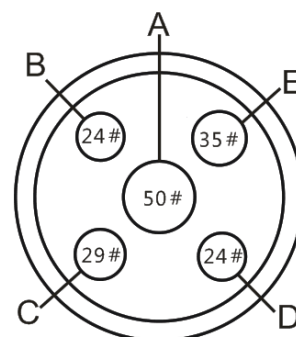
BR-3CE

CE



BR-3CE Double-Wall Glass Reactor

Model		BR-3CE
Electrical Requirements		1~, 220-240V/50Hz
Glass Parts	Glass Vessel Capacity	3L
	Cooling/Heating Jacket Capacity	0.9L
	Glass Type	Food grade borosilicate 3.3
	Temperature Range	-80~200°C
	Vessel endurable pressure	-0.1~0.0 Mpa
	Jacket endurable pressure	≤+0.03 Mpa
	Cooling Surface of Condenser	250cm ²
	Capacity of Constant Pressure Funnel	200ml
	Endurable Temperature Difference (ΔT)	≤80°C
	Vessel Cover	Domed with 5 openings
5 Openings	Opening for Stirring Shaft	24# standard Ground Mouth
	Opening for Temperature Sensor	24# standard Ground Mouth
	Opening to Connect Condenser	24# standard Ground Joint
	Opening to Feed Liquid Material	19# standard Ground Mouth
	Opening for Constant Pressure Funnel	24# standard Ground Joint
Stirring Parts	Motor Power	90 W
	Controller	Digital controller with variable frequency
	Rotation Speed	50~500 rpm
	Stirring Shaft	PTFE covered stainless steel
	Stirrer	4-blade propeller
	Max. Torque	70 N-cm
	Max. Viscosity Mpas	100000
	Safety	Over-heat, Over-load protection
Drain Valve	1. Without dead volume 2. 100~210mm Above Floor (adjustable)	
Inlet/Outlet of Jacket	Flange Connection, ID φ 12mm	
Vacuum Sealing	PTFE	
Temperature Sensor	Pt100, PTFE reinforced stainless steel, Chemical Resistant	
Supporting Frame	Stainless Steel 304	
Dimensions(mm)	480W×420D×1100H	
Net Weight	50 KG	



- A) 50# flange mouth, stirring mouth
- B) 24# standard ground, connected to temperature sensor
- C) 29# standard ground, connected to constant-pressure funnel
- D) 24# standard ground, liquid charging port
- E) 35# ball milling port, connected to condenser

5L reactor lid schematic diagram

GR-5CE Double-Wall Glass Reactor



Model		GR-5CE
Electrical Requirements		1~, 220-240V/50Hz
Glass Parts	Glass Vessel Capacity	5L
	Cooling/Heating Jacket Capacity	1.5L
	Jacket Cooling/Heating Surface	0.13 m ²
	Condenser Cooling Surface	0.045 m ²
	Glass Type	Food grade borosilicate 3.3
	Temperature Range	-80~200℃
	Vessel endurable pressure	-0.1~0.0 Mpa
	Jacket endurable pressure	≤+0.03 Mpa
	Capacity of Constant Pressure Funnel	500ml
	Endurable Temperature Difference (ΔT)	≤80℃
	Vessel Cover	Domed with 5 openings
5 Openings	Opening for Stirring Shaft	50# Flanges
	Opening for Temperature Sensor	24# standard Ground Mouth
	Opening to Connect Condenser	35# standard Ball Mill Joint
	Opening to Feed Liquid Material	24# standard Ground Mouth
	Opening for Constant Pressure Funnel	29# standard Ground Joint
Stirring Parts	Motor Power	90W
	Controller	Digital controller with variable frequency
	Rotation Speed	50~500 rpm
	Stirring Shaft	PTFE covered stainless steel
	Stirrer	4-blade propeller
	Vacuum Sealing	Patented sealing kit
	Safety	Over-heat, Over-load protection
Drain Valve	1. Without dead volume 2. 400mm Above Floor (adjustable)	
Inlet/Outlet of Jacket	DN 15 Flange Connection	
Vacuum Sealing	PTFE	
Temperature Sensor	Pt100, PTFE reinforced stainless steel, Chemical Resistant	
Supporting Frame	Stainless Steel 304	
Dimensions(mm)	640W×520D×1600H	
Net Weight	50 KG	

Authorized Sales Partner:

SCO Tech
Auf der Heide 15
D- 37351 Dingelstädt
Federal Republic of Germany
P: +49 (36075) 439340
F: +49 (36075) 439308
<http://www.sco-tech.com>