

KILO SCALE READY REACTORS

20L Turn-Key Jacketed System

Ace Glass has pre-packaged our popular size reactors. Complete systems, and set them up for immediate shipment and turn-key operation. Full systems include a universal support stand with custom, jacketed vessels with all the hardware necessary to hook to your recirculating chiller, and a bottom flush-seal outlet valve. Systems come with an IKA® Eurostar 60 Control overhead stirrer. The reactor heads have standard taper joints, and they will accept any configuration of condensers, funnels, or probes that you wish to add. We have also included our PTFE Ultra Vacuum Stirrer Bearing on both units.

20 Liter Jacketed System

- Working Temp Range (°C): -60 to 200
- Working Pressure Range (Torr): Atm to 0
- Max Jacket Pressure (psig): 8
- Dimensions (in): 27.5 x 24.25 x 82.25
- Wetted Surfaces: Borosilicate glass, PTFE
- Motor Mounts: Flange Mount

Turn-Key System

Capacity (L)	Base Systems for Flange Mount Motors
20	10001-201

Systems include the following components:

No.	Description	Qty.	Order Code
1	10-20L Stand w/Mount for 200mm Flange Mount Motors	1	12842-04
2	20L Jacketed Flask	1	12850-06
	200mm, 6 Neck Head	1	6530-37
	200mm, Quick-Release Flange Clamp	1	6517-31
3	60mm, Lid Blank	1	15312-30
	60mm, CAPFE O-Ring	1	7855-878
	60mm, Quick-Release Flange Clamp	1	6517-22
	1" High Temperature Coupling	1	8856-07
	2" High Temperature Coupling	1	8856-11
	1" x 60° Sweep Elbow	1	8830-207
4	19mm, Stir Shaft	1	8076-40
	19mm, Ultra Vacuum Stir Bearing	1	8067-30
	19mm, Swivel Coupling	1	8126-19
	152mm, PTFE Paddle Style Agitator	1	8091-20
	127mm, PTFE 19mm Shaft Agitator	1	8097-12
5	IKA EuroStar 60 Control	1	13517-30
6	Flush Seal Drain Valve	1	6472-245



50L

Ready Reactor Jacketed System

Ace Glass has pre-packaged our popular size reactors. Complete systems, and set them up for immediate shipment and turn-key operation. Full systems include a universal support stand with custom, jacketed vessels with all the hardware necessary to hook to your recirculating chiller, and a bottom flush-seal outlet valve. Systems come with a 3/8hp DC stir motor capable of 35in-lbs of torque at 30-500rpm. The reactor heads have standard taper joints, and they will accept any configuration of condensers, funnels, or probes that you wish to add. We have also included our PTFE Ultra Vacuum Stirrer Bearing on both units.

50 Liter Jacketed System

- Working Temp Range (°C): -60 to 200
- Working Pressure Range (Torr): Atm to 50
- Max Jacket Pressure (psig): 8
- Dimensions (in): 27.5 x 24.25 x 82.25
- Wetted Surfaces: Borosilicate glass, PTFE
- Motor Mounts: Flange Mount

Turn-Key System

Capacity (L)	Base Systems for Flange Mount Motors
50	10001-501

Systems include the following components:

No.	Description	Qty.	Order Code
1	30-50L Stand w/Mount for 300mm Flange Mount Motors	1	12842-06
2	50L Jacketed Flask	1	12850-10
	300mm, 7 Neck Head	1	6530-45
	300mm, PTFE Gasket	1	6525-51
	300mm, Coupling	1	6525-30
3	T-Handle Torque Wrench, pre-set to 30in/lbs	1	6525-60
	1/2" Socket, 1/4" Drive	1	6525-61
	100mm, Lid Blank	1	15312-33
	100mm, CAPFE O-Ring	1	7855-880
	100mm, Quick-Release Flange Clamp	1	6517-25
	1" High Temperature Coupling	1	8856-07
	1-1/2" High Temperature Coupling	2	8856-09
	2" High Temperature Coupling	1	8856-11
	1" x 60° Sweep Elbow	1	8830-207
4	28mm, Stir Shaft	1	8080-14
	28mm, Ultra Vacuum Stir Bearing	1	8067-105
	28mm, Swivel Coupling	1	8126-28
	178mm, PTFE Paddle Style Agitator	1	8101-38
	150mm, PTFE 19mm Shaft Agitator	1	8093-35
5	Brushless DC 3/8hp Motor	1	13553-20
	DC Motor Controller	1	13553-02
6	Flush Seal Drain Valve w/pin	1	6482-20

