

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 a 3/8hp DC stir motor rated for hazardous conditions. 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 (PSI): 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 |
| | 1in High Temperature Coupling | 1 | 8856-07 |
| | 2in High Temperature Coupling | 1 | 8856-11 |
| | 1in 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 rated for hazardous conditions. 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 (PSI): 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 |
| | 1/2in Socket, 1/4in 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 |
| | 1in High Temperature Coupling | 1 | 8856-07 |
| | 1-1/2in High Temperature Coupling | 2 | 8856-09 |
| | 2in High Temperature Coupling | 1 | 8856-11 |
| | 1in 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 |

