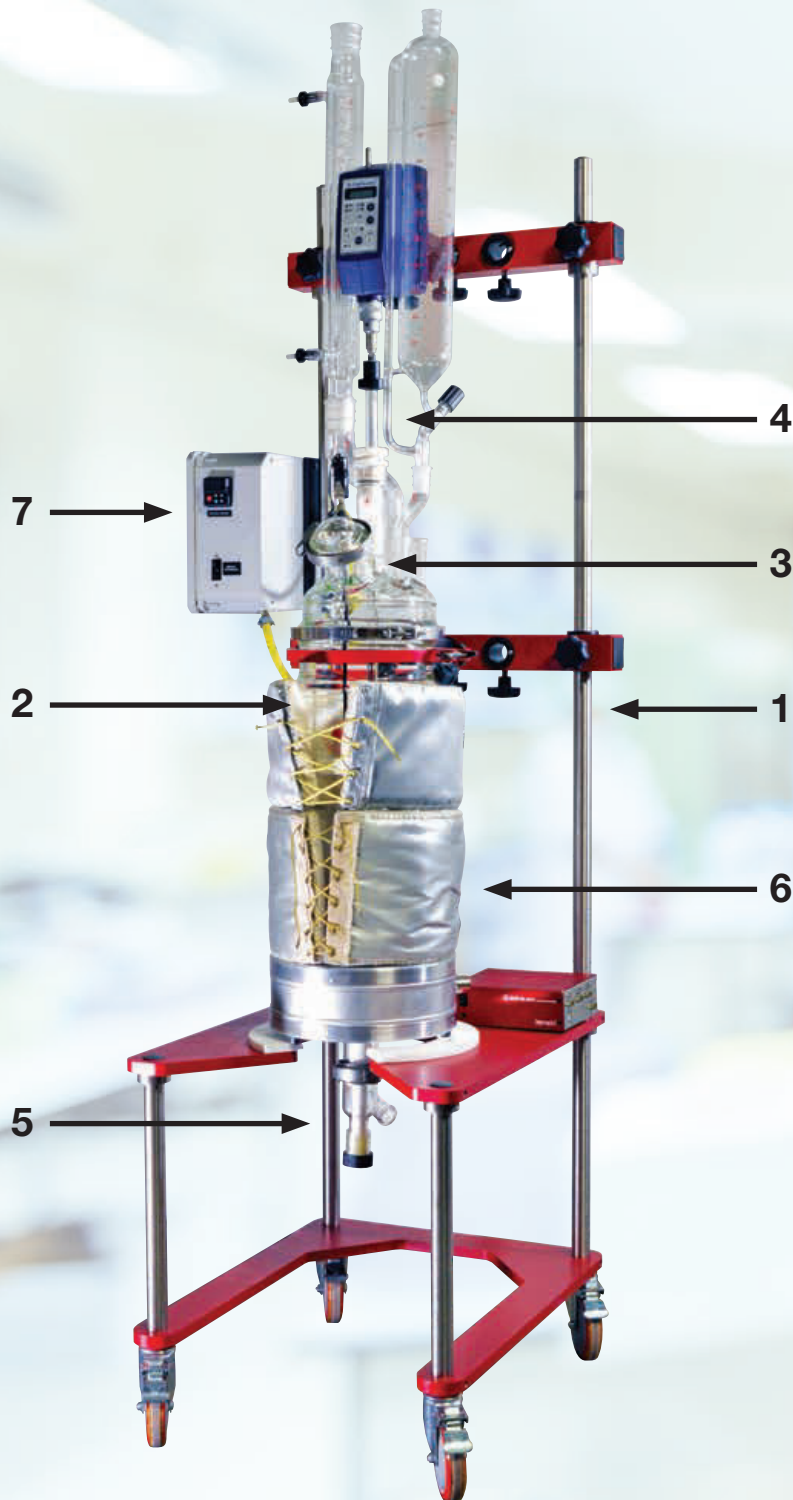


Unjacketed Kilo Scale Reactor Systems

10L & 20L Reactors w/Support Stand



Universal open frame stand design allows for maximum clearance and access to the ports on the head. To allow for scale up, the frame has been designed to be fitted with vessels from 10L to 200L in size. For versatility, our systems have been designed with a working temperature range of ambient through 200°C, and wetted surfaces of borosilicate glass and PTFE.

Unjacketed Kilo Systems include:

- Universal Reactor Stand
- Unjacketed Flask
- Head, Coupling and O-Rings
- Agitator, Stir Shaft, Bearing & Collar
- Lid and Clamp
- Bottom Drain Valve
- Heating Mantle
- Temperature Controller with Probe
- Cooling/Heating Coil (*not pictured*)

Working Temp Range (°C):

ambient to 200

Working Pressure Range (Torr):

Atm to 0

Stand Dimensions (DxWxH):

27.5" x 24.25" x 82.25"

Wetted Surfaces:

Borosilicate glass, PTFE

Motor Mounts:

Rod or Flange

12846-13



12846-15



Note: Product is shown with optional accessories.

Supplied with PTFE-Clad copper tubing (not shown); available in Hastelloy® C-276 or 316 stainless steel.

10L to 20L

Capacity (L)	Base Systems for Rod Mounted Motors	Base Systems for Flange Mount Motors
10	12846-12 ★	12846-13 ★
20	12846-14 ★	12846-15 ★

Included Components

No.	Description	Qty	Order Code
1	10-20L Universal Stand w/Mount for Rod Mount Motors	1	12842-02
	10-20L Universal Stand w/Mount for Flange Mount Motors		12842-04
2	10L Unjacketed Flask w/Flush Seal Valve	1	6522-81 ★
	20L Unjacketed Flask w/Flush Seal Valve		6472-02 ★
3	200mm, 7 Neck Head	1	6530-37 ★
	200mm CAPFE O-Ring	1	7855-884 ♠
	200mm Quick-release Clamp	1	6517-31 ★
	60mm Glass Cap	1	15312-30 ★
	60mm CAPFE O-Ring	1	7855-878 ♠
	60mm Quick-release Clamp	1	6517-22 ★
	19mm Glass Stirring Shaft, 36" Length	1	8076-40 ♠
	19mm Shaft Collar	1	8127-20 ♠
	19mm PTFE Ace-Thred Bearing	1	8067-30 ♠
	4" O.D. Multi-paddle Style Lower Agitator	1	8091-10 ♠
4	4" O.D. Upper Turbine	1	8093-12 ♠
	19mm Shaft Coupling	1	8126-19 ★
	Flush Seal Drain Valve w/CAPFE O-Ring	1	6472-245 ★
	2" Beaded Pipe Coupling	1	8856-11 ★
5	180 Watt Aluminum Heating Mantle w/Hole, 115VAC (10L Only)	1	12053-50
	495 Watt Girdle Mantle, 115VAC (10L Only)	2	12041-10
	250 Watt Aluminum Heating Mantle w/Hole, 115VAC (20L Only)	1	12053-64
	770 Watt Girdle Mantle, 115VAC (20L Only)	2	12041-12
6	Pilot Plant Temperature Controller, 120VAC, 4 Circuit	1	13552-02
	1/4 x 24" PFA Coated Type "J" Thermocouple	1	12141-26 ★
	Type "J" Coiled Thermocouple Extension Cord	1	12141-80 ★
	#25 to 45/50 Probe Adapter	1	5279-10 ★
	Heat Exchange Cooling Coil, PTFE-Clad Copper (10L Only)	1	12067-39 ★
7	Heat Exchange Cooling Coil, PTFE-Clad Copper (20L Only)	1	12067-48 ★
	24/40 to #7 Ace-Thred Adapter	2	5028-30 ♠

