



# JACKETED KILO SCALE REACTORS

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 150L in size. For versatility, our systems have been designed with a working temperature range of -60°C through 200°C, and wetted surfaces of borosilicate glass and PTFE.

*Designed for diversity and ease of use. A simple base system building platform which allows any reactor system to be customized using catalog or custom designed parts.*

## Jacketed Kilo Base Systems include:

- Universal Reactor Stand
- Jacketed Flask
- Head, Couplings and O-Rings
- Agitator, Stir Shaft, Bearing & Collar
- Lid and Clamp
- Bottom Drain Valve

### Base systems by desired capacity and motor mounting type:

Capacity, L	Stand Profile, D x W x H	for Rod Mounted Motors	for Flange Mount Motors
10	27.5" x 24.25" x 82.25"	12845-02	12845-03
15	27.5" x 24.25" x 82.25"	12845-04	12845-05
20	27.5" x 24.25" x 82.25"	12845-06	12845-07
30	27.5" x 24.25" x 82.25"	—	12845-09
50	27.5" x 24.25" x 82.25"	—	12845-11
75	27.5" x 24.25" x 96.25"	—	12845-13
100	27.5" x 24.25" x 96.25"	—	12845-15
100*	27.5" x 24.25" x 82.25"	—	12845-17
150	27.5" x 24.25" x 96.25"	—	12845-19

\*Low Profile

## 10L through 150L



Contact your local sales rep today for more information

1-800-223-4524 | [www.aceglass.com](http://www.aceglass.com)

# Motors and Controllers



## Caframo Rod Mounted

A powerful, reliable stirrer for precision research or high viscosity pilot plant applications. Microprocessor controlled brushless DC Motor with automatic overload protection. Digital display of RPM and torque. Maintains set speed as viscosity changes. Two-speed transmission selects hi-torque or hi-speed range. Adjustable chuck with chuck guard. 3 year manufacturers warranty. (220V is CE Rated)



## IKA Rod Mounted

Universal laboratory stirrer designed with a removable wireless controller and a digital TFT display. It automatically adjusts the speed through microprocessor controlled technology with the speed range of 0/30 to 2000 RPM. The stirrer comes equipped with RS232 and USB interfaces to control and document all parameters. An integrated torque trend display is provided for measurement of viscosity changes. Safety circuits installed to ensure automatic cut-off in an anti-stall or overload conditions. Two year manufacturers warranty.



## BDLC Flange Mounted

Pilot plant motor and controller for use on reactor systems up to 200L. The controller displays rpm, torque and features a digital timer with shut-down capability. The 3/8hp brushless DC motor is compact, lightweight and yet capable of 35in-lbs of continuous torque from 30 - 500rpm. RPM readings are kept precise thru closed loop feedback. Controller is available in either 120v 60Hz or 240v 50/60Hz.

Description	Speed Range (RPM)	Max Torque (in-lbs)	Max Viscosity (cP)	120VAC	220VAC
<b>Caframo</b>					
BDC3030	20-600	30	50000	13565-10	13565-11
	600-3000	6			
BDC1850	12-360	50	90000	13565-20	13565-21
	360-1800	10			
<b>IKA (Control)</b>					
Eurostar 60	0/30-2000	5.3	50000	13517-30	—
Eurostar 100	0/30-2000	8.8	70000	13518-02	—

	120VAC	240VAC
<b>Motor Controller</b>		
	13553-02	13553-04
<b>Motor, 24VDC</b>		
	13553-20	13553-20

## Arrow Engineering, Rod Mounted

For hazardous working environments air motors offer an economical solution over explosion proof or ATEX rated motors. Relative speed setting is performed by adjusting a needle valve located on the inlet side of the air motor. When using air motors always use air motors with a filter/regulator/lubricator.



## HD Flange Mounted

For hazardous working environments air motors offer an economical solution over explosion proof or ATEX rated motors. Relative speed setting is performed by adjusting a needle valve located on the inlet side of the air motor. When using air motors always use air motors with a filter/regulator/lubricator.

Description	Speed Range (RPM)	Max Torque (in-lbs)	Air Pressure (psig)	Max Air Consumption (cfm)	Order Code
1/3 Hp	200-10000	4	30-100	13	13365-20
1/3 Hp	50-1200	18	30-80	13	13365-10
1/2 Hp	50-1000	26	30-80	27	13365-15
Filter/Regulator Lubricator					13372-45

Speed Range (RPM)	Max Torque (in-lbs)	Order Code
<b>1.5 Hp Motor</b>		
300-3000	57	13370-10
Filter/Regulator Lubricator		13372-45

More Motor Options Available. Visit the Ace Glass Website or contact your local sales representative.



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