Stirrer Guide

Caframo®

LabSolutions

Caframo LabSolutions

Laboratory Overhead Stirrers

- Immediate customer service and technical application support
- In stock quality product; Orders ship one day after receipt
- Manufactured in North America; Shipped Worldwide
- 3 Year Warranty
- Safety Certified to Applicable Standards

"Thanks for the quick and helpful follow up. I appreciate the personal service."

"The motor just won't burn out. It runs 24/7!"

1

Stirrer	1850	3030	6015	2010	2002	250
Speed rpm	12-1800	20-3000	40-6000	40-2010	40-2002	50-2500
Volume L (gal)	80 (21)	60 (15 ½)	25 (6 ½)	25 (6 ½)	25 (6 ½)	2 (1/2)
Viscosity cP	90,000	50,000	20,000	20,000	15,000	Water like
Torque Ncm (in-lb)	568 (50)	341 (30)	170 (15)	90 (8)	70 (6)	10 (1)
Horsepower	1/5	1/5	1/5	1/15	1/18	1/50

All stirrers available in 120 and 220 volts.

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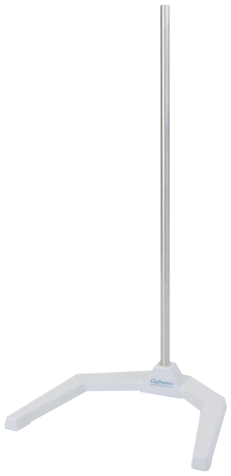
Stands

- Solid cast base, coated with chemical resistant epoxy
- Largest base accommodates hotplate or large vessels; Leveling knobs provide added adjustability
- Compact base maximizes bench space and fits into smaller enclosed work stations or hoods

Clamps

- Securely hold a large portion of the stirrer support rod maximizing stability
- Multipurpose - also used with chain or extension clamps to hold accessories

2

A110	A112, A113, A114	A210	Customize
			
Use with all stirrers except 250 Accommodates maximum vessel diameters of 323 (12 ¾)	Use with all stirrers except 250 Choice of three stand rod lengths Includes two extra threaded holes to accommodate A300 - 710 x 16 (28 x 5/8) rod for accessories	Use with 2002 and 2010 Unique offset design centers impeller in vessel Accommodates maximum vessel diameters of 190 (7 ½)	A110BASE - base only ROD28 710 x 25 (28 x 1) ROD38 960 x 25 (38 x 1) ROD48 1200 x 25 (48 x 1)

3

Clamps

A120	A122
Use with12.5 (1/2) support rod	Use with16 (5/8) support rod
Adjustable to accept 15 - 30 (9/16 - 1 3⁄16) diameter stand rods	

mm (in)

Accessories

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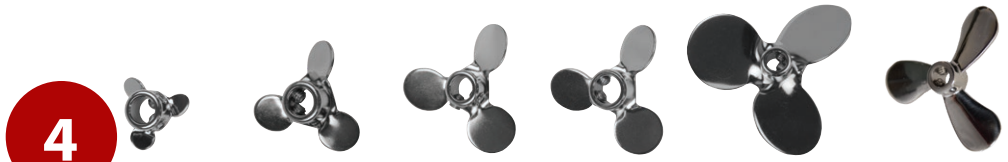


Blades	A511	A521	A531	A533	A541	A165
Diameter	25 (1)	38 (1 ½)	50 (2)	50 (2)	78 (3)	64 (2 ½)
Bore	8 (5/16)	8 (5/16)	8 (5/16)	9.5 (3/8)	8 (5/16)	8 (5/16)
Flow Pattern	Axial	Axial	Axial	Axial	Axial	Axial

Blades	A163	A164	A551	A553	A561
Diameter	38 (1 ½)	48 (1 ⅞)	50 (2)	50 (2)	100 (4)
Bore	8 (5/16)	8 (5/16)	8 (5/16)	9.5 (3/8)	8 (5/16)
Flow Pattern	Radial	Radial	Radial	Radial	Axial

Shafts	A712	A162	A722	A742
Shaft Dia.	8 (5/16)	8 (5/16)	8 (5/16)	8 (5/16)
Shaft Length	305 (12)	400 (16)	457 (18)	610 (24)

A713	A723	A733	A743	A753
9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
305 (12)	457 (18)	508 (20)	610 (24)	762 (30)

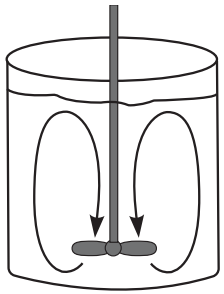
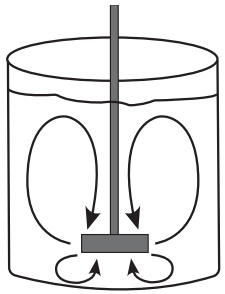
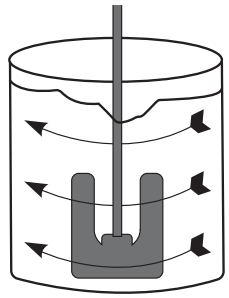
mm (in)

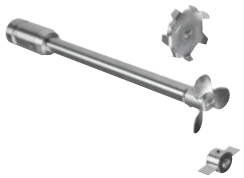
Paddles	U022	U044	U055	U510	U044SW	A150	A250
Dimensions	50 x 50 (2 x 2)	100 x 100 (4 x 4)	125 x 125 (5 x 5)	125 x 250 (5 x 10)	152 x 145 (6 x 5 ¾)	70 x 70 (2 ¾ x 2 ¾)	38 x 38 (1 ½ x 1 ½)
Shaft Length	400 (16)	914 (36)	914 (36)	914 (36)	914 (36)	400 (16)	400 (16)
Shaft Dia.	8 (5/16)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	8 (5/16)	8 (5/16)
Flow Pattern	Tangential	Tangential	Tangential	Tangential	Tangential	Tangential	Tangential

Impellers	A130	A131	A231	A140	A141	A166	A190	PTFE	A180	A183	A185
Diameter	50 (2)	50 (2)	32 (1 ¼)	60 (2 ⅜)	90 (3 ½)	64 (2 ½)	25 (1)		38 (1 ½)	80 (3 ⅛)	38 (1 ½)
Shaft Length	400 (16)	400 (16)	400 (16)	400 (16)	400 (16)	400 (16)	400 (16)		400 (16)	400 (16)	400 (16)
Shaft Dia.	8 (5/16)	8 (5/16)	8 (5/16)	8 (5/16)	8 (5/16)	8 (5/16)	8 (5/16)		8 (5/16)	8 (5/16)	8 (5/16)
Flow Pattern	Radial	Radial	Radial	Radial	Radial	Axial	Axial		Radial	Tangential	Axial

mm (in)

What do you know about FLOW?

Axial	Radial	Tangential
		
Fluid is pumped downward or upward - ideal for liquid/solid mixing, suspending solids, blending or draw down (introducing air- vortexing). Best suited for low viscosity, high speed mixing.	Fluid flows from the top and bottom with higher shear and turbulence and lower pumping - ideal for liquid dispersion. Best suited for medium viscosity fluids and high speed applications.	Fluid moves in a swirling motion often with a surface vortex - ideal for high viscosity fluids at lower speeds. Paddle diameter can be close to the diameter of the vessel and provides a large surface area to contact product.

				
A600SET	**CG1**	**CG5**	**13CSET**	**13CKEY**
High Speed Collet Set	Chuck Guard	Chuck Guard	Chuck Set	Chuck Key

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