

Stirrer Guide

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 |
|----------------|---------|-----------|----------|
| Speed rpm | 12-1800 | 20-3000 | 40-6000 |
| Volume L (gal) | 80 (21) | 60 (15 ½) | 25 (6 ½) |
| Viscosity cP | 90,000 | 50,000 | 20,000 |
| Torque Ncm | 565 | 339 | 170 |
| Horsepower | 1/5 | 1/5 | 1/5 |

| | 2010 | 2002 | 250 |
|--|----------|----------|------------|
| | 40-2010 | 40-2002 | 50-2500 |
| | 25 (6 ½) | 25 (6 ½) | 2 (1/2) |
| | 20,000 | 15,000 | Water like |
| | 90 | 70 | 10 |
| | 1/15 | 1/18 | 1/100 |

All stirrers available in 120 and 220 volts.

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

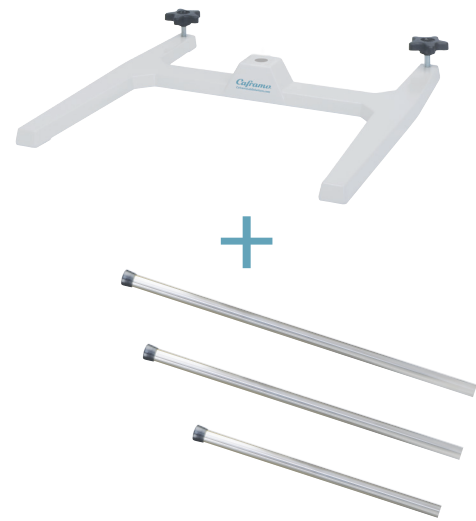
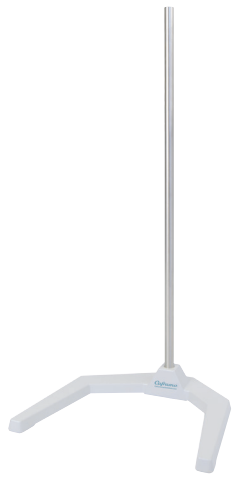
Clamps

- 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 3/4)

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 1/2)

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

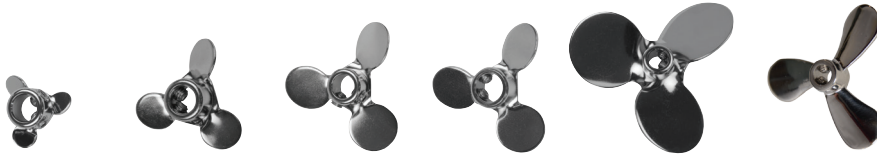
| A120 | A122 |
|--|-------------------------------|
| Use with 12.5 (1/2) support rod | Use with 16 (5/8) support rod |
| Adjustable to accept 15 - 30 (9/16 - 1 3/16) diameter stand rods | |

mm (in)



Accessories

4



| 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 |



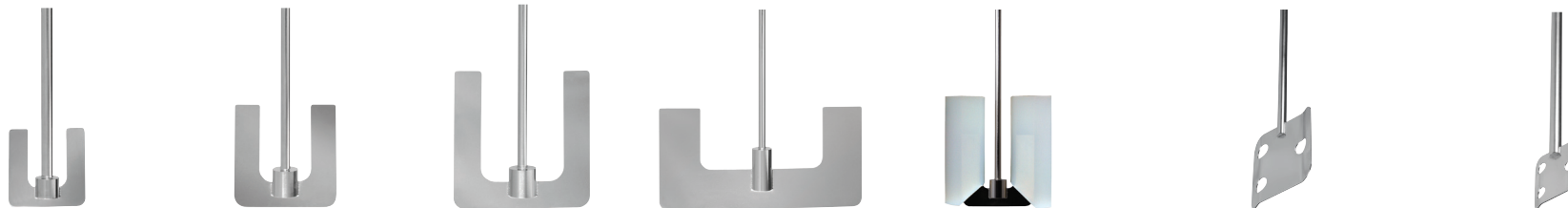
| Blades | A163 | A164 | A551 | A553 | A561 |
|--------------|----------|------------|----------|-----------|----------|
| Diameter | 38 (1 ½) | 48 (1 7/8) | 50 (2) | 50 (2) | 100 (4) |
| Bore | 8 (5/16) | 8 (5/16) | 8 (5/16) | 9.5 (3/8) | 8 (5/16) |
| Flow Pattern | Radial | Radial | Radial | Radial | Axial |

4
Accessories



| Shafts | A712 | A722 | A742 | A713 | A723 | A733 | A743 | A753 |
|--------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| Shaft Dia. | 8 (5/16) | 8 (5/16) | 8 (5/16) | 9.5 (3/8) | 9.5 (3/8) | 9.5 (3/8) | 9.5 (3/8) | 9.5 (3/8) |
| Shaft Length | 305 (12) | 457 (18) | 610 (24) | 305 (12) | 457 (18) | 508 (20) | 610 (24) | 762 (30) |

mm (in)



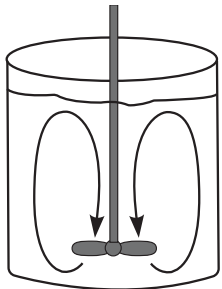
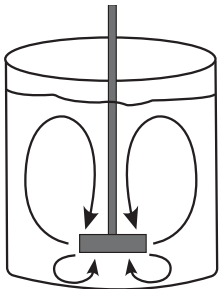
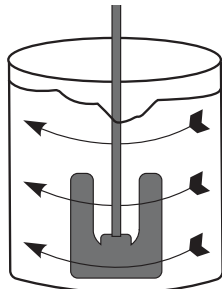
| Paddles | U022 | U044 | U055 | U510 | U044SW | A150 | A250 |
|----------------|-----------------|-------------------|-------------------|--------------------|---------------------|---------------------|---------------------|
| Dimensions | 50 x 50 (2 x 2) | 100 x 100 (4 x 4) | 125 x 125 (5 x 5) | 125 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 ¾) | 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 |
|---|---|---|
|  |  |  |
| <p>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.</p> | <p>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.</p> | <p>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.</p> |

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