



Accessories for Laboratory Mixers (continued)

R-V. 303/304 Stainless Steel Mixing Paddle Assemblies

Use autoclavable paddle assemblies for general-purpose and high-temperature applications. The shaft and propeller are combined into one convenient mixing piece.

R. Three-Blade Paddle Assemblies are for general purpose mixing. All blades are pitched for low-viscosity, axial-flow mixing.

S. Chain Paddle Assemblies are for medium-viscosity liquids.

T. Zig-Zag Paddle Assemblies are for medium- to high-viscosity liquids.

U Swivel Paddle Assemblies are for use in narrow-necked vessels.

V. High-Efficiency Paddle Assemblies are for highly viscous liquids or semisolids.

Key	Shaft, dia x L, in. (mm)	Paddle dia, in. (mm)	Catalog number	Price
R	1/4 x 12 (6 x 305)	2 (51)	GY-04350-00	
	5/16 x 12 (8 x 305)		GY-04352-00	
	1/4 x 18 (6 x 457)		GY-04449-07	
	5/16 x 18 (8 x 457)		GY-04449-08	
S	1/4 x 12 (6 x 305)	3 (76)	GY-04354-00	
	5/16 x 12 (8 x 305)		GY-04356-00	
T	5/16 x 12 (8 x 305)	2 1/2 (64)	GY-04358-00	
U	1/4 x 12 (6 x 305)	2 (51)	GY-04360-00	
	5/16 x 12 (8 x 305)		GY-04361-00	
V	1/4 x 15 (6 x 381)	2 5/8 (67)	GY-04541-00	
	1/4 x 30 (6 x 762)	2 5/8 (67)	GY-04541-10	
	3/8 x 21 (10 x 533)	3 3/4 (95)	GY-04541-20	
	1/2 x 40 (13 x 1016)	5 (127)	GY-04541-30	

W-EE. 316 SS Impellers

Impellers are constructed of 316 stainless steel except high-flow impeller 04560-80. Order shafts separately on page 535.

W. Axial Flow Impellers (A-100) have Superpitch® design with a 1.5 pitch ratio for greater mixing capabilities. Standard axial flow; use for wetting dry powders.

X. Two-Blade Folding Impellers are perfect for mixing in vessels with narrow ports. Folded diameter is 1 1/16" (18 mm) for the 2" (51 mm) model and 1" (25 mm) for the 3" (76 mm) model. Impellers open fully when mixing.

Y. High-Efficiency Axial Flow Impellers (A-310) have laser designed blades to develop 50% more mixing action for high-flow, low-shear mixing.

Z. High-Efficiency Axial Flow Impeller with Ring Guard (A-310) has all the features of "X" with added ring guard for safety and protection of mixing vessels.

AA. High-Shear Radial Flow Impellers (R-100) have paddles that produce added shear and moderate flow, in a radial direction.

BB. Four-Blade Impellers (A-200) are turbine impellers that have a 45° pitch and produce a semi-axial flow.

CC. High-Shear Dispersing Impellers (R-500) create a cutting, tearing action to efficiently shred and disperse solids. Provide low flow with highest shear.

DD. Laser Designed High-Viscosity Impellers (A-320) improve blending while reducing power consumption—up to a 50% reduction over traditional 45° pitched blade paddles. Increased axial flow lets you locate the impeller farther from your tank bottom and enables use of shorter shafts.

EE. Laser Designed High-Flow Impeller (A-410) produces strong axial flow at very high flow efficiency. Ideal for transitional flow regime mixing. Made of glass-filled polypropylene with 316 SS set screws.

Key	Overall dia, in. (mm)	Bore dia, in. (mm)	Catalog number	Price
W	3.1 (79)	5/16 (8)	GY-04560-54	
	2.7 (68)	3/8 (10)	GY-04540-20	
	3.1 (79)	3/8 (10)	GY-04540-30	
X	2.0 (51) open	5/16 (8)	GY-04543-00	
	3.0 (76) open	3/8 (10)	GY-04561-66	
Y	2.5 (64)	5/16 (8)	GY-04560-25	
	3.8 (96)	5/16 (8)	GY-04560-22	
	4.5 (114)	5/16 (8)	GY-04560-23	
	2.5 (64)	3/8 (10)	GY-04560-50	
Z	3.4 (86)	3/8 (10)	GY-04540-25	
	2.5 (64)	5/16 (8)	GY-04561-64	
AA	1.5 (38)	5/16 (8)	GY-04560-57	
	2.0 (51)		GY-04560-30	
	3.0 (76)		GY-04560-56	
BB	3.0 (76)	5/16 (8)	GY-04560-60	
	2.0 (51)	5/16 (8)	GY-04561-60	
	2.0 (51)	3/8 (10)	GY-04560-61	
CC	3.0 (76)	5/16 (8)	GY-04561-62	
	2.0 (51)	3/8 (10)	GY-04560-58	
DD	5.0 (127)	5/16 (8)	GY-04560-62	
	5.0 (127)	3/8 (10)	GY-04560-63	
EE	3.9 (99)	5/16 (8)	GY-04560-80	

Mixer Testing Beads

Test for clumping and settling. These highly visible beads are calibrated to simulate particles in your fluid and let you easily visualize mixing patterns. Use both sizes simultaneously to determine effect on different-sized particles.

Color	Bead diameter	Cat. no.	Price
Red	4.5 mm	GY-04560-70	
Yellow	3 mm	GY-04560-71	

