

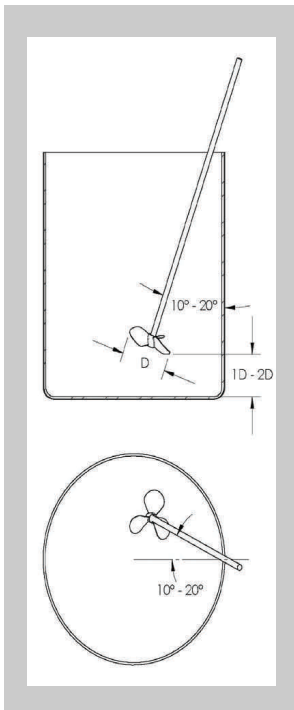


How To Choose A Portable Mixer

The portable mixer selection table below will help you decide what type of portable mixer you will need for your job. This guideline will hold in most cases. The numbers represent the recommended horsepower for the specific application. "D" stands for direct-drive models and "G" stands for gear-drive models. Mixing is in the range of 1/2 to 1 tank turnovers per minute. For more vigorous agitation choose the next size larger machine than the recommendation. Contact INDCO if you need further assistance or if you have any questions.

Portable Mixer Selection Guideline

		Tank Volume in Gallons. The liquid depth should equal 1-1.5 tank diameter							
Material	Viscosity	50	100	250	500	1,000	2,000	3,000	5,000
Water	1 cps	1/4 D	1/4 D	1/3 D	1/2 D	1 D or 1/4 G	1-1/2 D or 1/4 G	2D or 1/3 G	3/4 G
SAE 10 Oil	100 cps	1/4 D	1/3 D	1/2 D	1D or 1/4 G	2 D or 1/4 G	1/3 G	3/4 G	1 G
SAE 40 Oil	250 cps	1/3 D	1/2 D	1/2 D or 1/4 G	1-1/2 D or 1/4 G	1/3 G	3/4 G	1 G	1-1/2 G
Glucose	500 cps	1/2 D	1/2 D or 1/4 G	3/4 D or 1/4 G	2 D or 1/3 G	3/4 G	1 G	1-1/2 G	2 G
Castor Oil	1,000 cps	1D or 1/4 G	1-1/2 D or 1/4 G	3D or 1/2 G	3/4 G	1 G	1-1/2 G	2 G	-
Molasses	2,500 cps	1/3 G	1/2 G	3/4 G	1 G	1-1/2 G	2 G	-	-
Honey	5,000 cps	1/2 G	3/4 G	1 G	1-1/2 G	2 G	-	-	-
Molten Glass	15,000 cps	3/4 G	1 G	1-1/2 G	-	-	For specific gravities other than one, multiply the specific gravity times the recommended horsepower to obtain the new recommendation.		
Mayonnaise	50,000 cps	1-1/2 G	2 G	-	-	-			
Nylon Resin Melt	100,000 cps	2 G	-	-	-	-			



Mounting Suggestions

The illustrations at left show the ideal operating angles for portable clamp-mount mixers. Tank baffles are not required. If the tank's diameter is approximately equal to the liquid depth, then use one propeller. That single propeller should be placed one to two propeller diameters from the bottom of the tank. For deeper tanks, thick materials or thixotropic materials, two propellers will provide best results. The mixing shaft should be 10 to 20 degrees off vertical and 10 to 20 degrees off the tank center line