

Mixer Mounting & Positioning

Liquid Levels

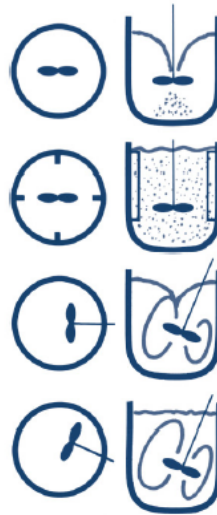
Installation Guidelines

For liquid levels of 0.5 to 1.1 times the tank diameter, a single impeller is usually suitable. A single impeller may be located from 0.5 to 2.0 impeller diameters off the tank bottom.

For liquid levels 0.8 to 1.6 times the tank diameter or variable liquid levels, dual impellers may be recommended. When dual impellers are required, spacing between direct driven mixer impellers should be four (4) or five (5) diameters. Spacing between gear driven impellers should be approximately two (2) diameters.

Mounting and Flows

Improper mounting of your portable mixer will significantly decrease mixing efficiency and could damage the mixer.



Vertical on center w/o baffles

Material merely rotates and forms a vortex. There is practically no mixing and excessive vortexing that could cause serious vibration and damage to the mixer.

Vertical on center with baffles

Better design-baffling overcomes vortexing for good mixing and top to bottom turnover.

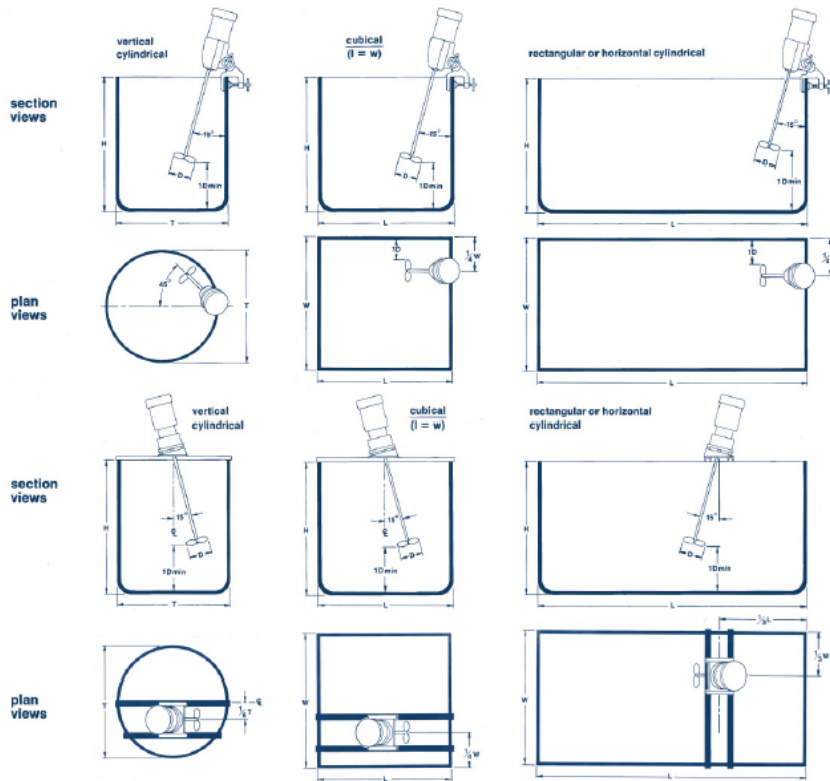
Angled on center

Material rotates with some top to bottom turnover, most vortexing is eliminated. Mixing is better.

Angled off center

Preferred position - material rotates, but with rapid top to bottom turnover and good sweeping action on bottom.

Portable mixer positioning



“C” Clamp Models

Fixed Entry Models