

# Drum-Stir Bayonet-Mount Drum Mixer

## General Description

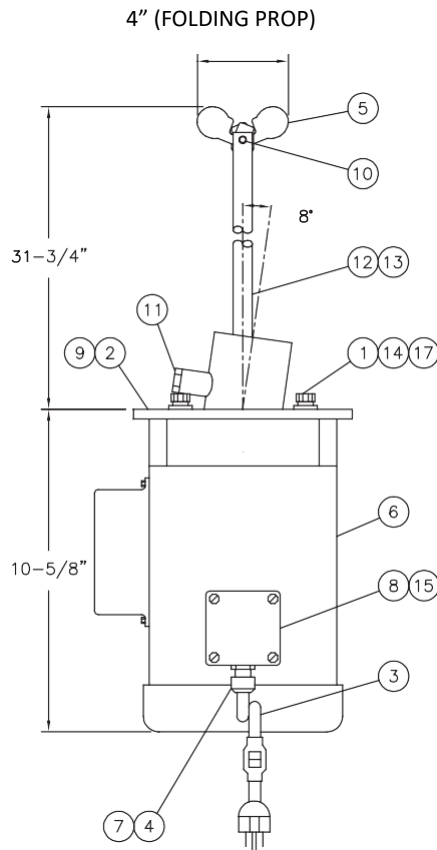
The Drum-Stir is a simple but important improvement over screw-in or clamp-mount drum mixers. The Drum-Stir features a unique mounting system that's easy to install and provides the most thorough mixing. With the mixer, the impeller can be centered in the drum instead of up against one side. The shaft and impeller don't hit the inside wall of the drum during installation. When the top of the drum sags, as they sometimes do, the impeller won't be pushed into the drum wall. See the drawings on reverse. (U.S. Patent No. 4,981,367)



## Specifications

|            |  |
|------------|--|
| Motor      | 1.2 H.P TEFC 1725 RPM  |
| Shaft      | 304 SS, 5/8" (15.9 mm) dia x 28" (711.2mm)   |
| Impeller   | 304 SS, collapsible, 4" (101.6 mm) dia. (open)                                     |
| Mount      | 1/4" (6.35 mm) mild steel plate epoxy powder coated, 2" (50.8 mm) NPT bung mounted |
| Electrical | 120 VAC / 1 pH / 60 Hz / 7.4 amps. Also available - 220 VAC / 1 pH / 50 Hz         |
| Cord       | 18 AWG-3 (8 ft. long) with grounded plug and on-off switch. UL-CSA approved        |
| Weight     | 34 lbs. (15.5 kg)  |

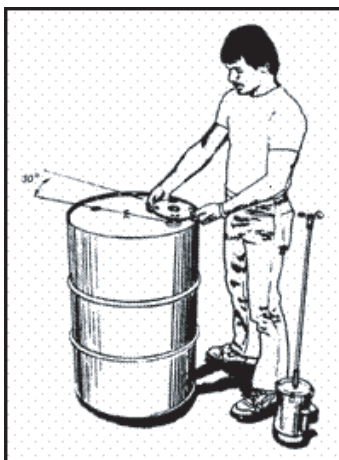
## General Layout



## Key Description

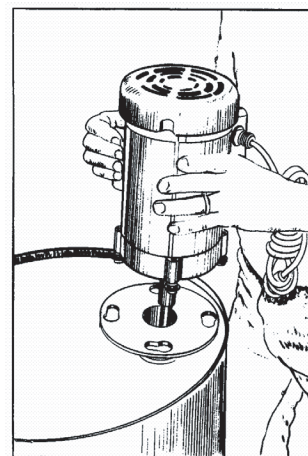
|    |  |
|----|--|
| 1  | Bolt, Hex, HD., S.S., 3/8" (9.5mm) - 16 (0.63) x 1" L (25.4mm)                     |
| 2  | Bracket, Bayonet Mounting Plate, Mixer   |
| 3  | Cable Assy w/Switch & Plug, 18GA., (3) Conductor                                   |
| 4  | Connector, Electrical, 1/2" (12.7mm)   |
| 5  | Fin, Impeller, S.S., Collapsible Blade   |
| 6  | Motor, 1/2 HP, 120 VAC, 1725 RPM   |
| 7  | Nut, Lock, Conduit, 1/2" (12.7mm)  |
| 8  | Nut, Wire Crimpon (Inside)   |
| 9  | "O"-Ring, Buna, 4-1/2" (114.3mm) I.D. x 4-7/8" (123.83mm) O.D. x 3/16" (4.8mm) THK |
| 10 | Pin, Tension, Roll, S.S., 1/4" (6.35mm) O.D. x 1" (25.4mm) L                       |
| 11 | Plug, PVC, 3/4" (19.05mm) (M)NPT   |
| 12 | Screw, Set PNT., S.S., 1/4" (6.35mm) -20 (.79) x 1/4" (6.35mm) L                   |
| 13 | Shaft, Drum Mixer, S.S.  |
| 14 | Spacer, S.S., 3/8" (9.53mm) I.D. x 9/16" (14.3mm) O.D. x 15/32" (.5mm) L           |
| 15 | Terminal, Forked, #10BOLT  |
| 16 | Tool, Allen Wrench, 1/8" (3.175mm), "L" Shaped (See Note #1)                       |
| 17 | Washer, Flat, S.S., 3/8" (9.53mm)  |

## Installation Instructions



### Step 1

Install mounting flange in 2" (5.1 mm) bung opening. Tighten by hand until flange is firmly seated. Make sure highest edge of flange is pointed away from centerline of drum as shown by arrows in drawing.





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