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Bulletin OM-1

## **Installation Instructions and Parts List for Bulk Container "BC" Agitators**

### **Handling**

The agitator shall be lifted with care. Usually the drive unit, shaft and propellers are packed separately. If the agitator is moved with the impeller shaft assembled, the shaft should be adequately supported when not in the vertical position. **Do not, at any time, attempt to lift the mixer by means of the shaft.**

### **Assembly**

Insert shaft into the coupling and tighten the coupling's set-screws with a 3/16 Allen wrench. Position the propeller(s) on the shaft and tighten the set-screw. If dual props are used, position them approximately 6-8" apart, or as required by the application.

### **Mounting**

The mounting frame is fitted with lifting handles on each end. The assembly can be lifted manually into position by two people or with a lifting mechanism. Center the dust cone over the container opening and push down on the lifting handles. The slots on the end of the frame engage with the metal lip on the edge of the container. If excessive vibration occurs, shut off the power, and:

- 1) Check to be sure the mounting structure is installed as described above.
- 2) Check all hardware for tightness. Tighten if necessary.
- 3) Check for shaft runout and straightness. The runout should not exceed .005 at the mounting and shaft should be straight within .010 thru the entire length.

### **Power Supply**

Single phase, open drip-proof or TEFC motors are furnished with a 3 Wire line cord for connecting to a conventional grounded receptacle. All other motors must be wired in accordance with local codes and standards. A motor wiring guide is located on the junction box. Check motor rotation. If motor is not rotating in a clockwise direction, reverse leads for proper rotation. Air powered models require a male (V\* NPT) fitting to

thread into the air motor. Be sure it is assembled to the "inlet" port (not exhaust port) to produce clockwise rotation. (As viewed from the motor end of the mixer.)

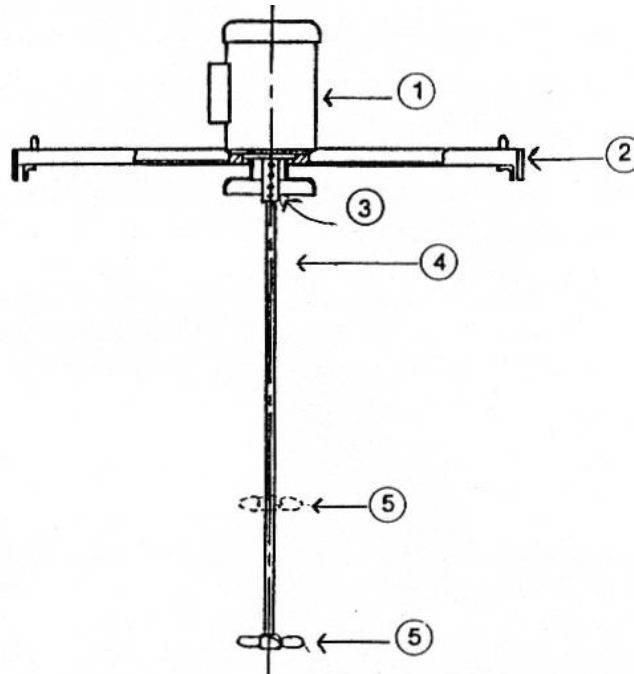
The air supply to the mixer should be through a filter/lubricator/regulator. This removes excess moisture in the lines, provides proper lubrication and a means of regulating the inlet pressure, to the mixer.

### Spare Parts

No spare parts are recommended for normal operation. If, after long or severe service, a breakdown occurs, refer to the components parts list on the reverse side.

### Correspondence

Please be sure to give the mixer assembly number and sales order number in any correspondence concerning the machine. Should you have any questions, please do not hesitate to contact us at the number below.



Item	Description	Model BCE-½	Model BCE-1	Model BCE-2	Model BCA-½	Model BCA-1	Model BCA-2
1	Motor TEFC (1Ph)	313865-6	313865-10				
1	Motor EXP (1Ph)	313865-32	313865-36				
1	Motor TEFC (3Ph)	313865-19	313865-23	313865-25			
1	Motor EXP (3Ph)	313865-45	313865-49	313865-51			
1	Motor, Air				313866-2	313866-2	313866-3
2	Mounting Frame	330421	330421	330412	330421	330421	330421
3	Coupling	25792-1	25792-1	25692-1	25792-1	25792-1	25792-1
4	Shaft 1" dia	315999-S	315999-S	315999-S	31599-S	315999-S	315999-S
5	Propellers 5" dia	313850-EEZ8			313850-EEZ8		
	Propellers 6" dia		313850-GGZ8			313850-GGZ8	
	Propellers 6" dia			313850-GGZ8			313850-G GZ8
6	Fastener Kit (3/8-16)	320185P37	320185P37	320185P37.	320185P37	320185P37	320185P37