



**Cleveland Mixer**  
A Brand of Subiaco, Inc.

4 Heritage Park Rd.  
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USA

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[www.clevelandmixer.com](http://www.clevelandmixer.com)

# DRUM MIXERS BH, BP, BA & BPA SERIES OPERATING AND MAINTENANCE INSTRUCTIONS

## HANDLING

The mixer shall be lifted with care. Usually the drive unit, shaft and propellers are packed separately. If the mixer 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 LEFT THE MIXER BY MEANS OF THE SHAFT.

## ASSEMBLY

Insert shaft into the coupling, through the bottom of the case, and tighten the coupling's set screws with a 3/16" Allen wrench, accessible through the access port.

Position the propeller on the shaft and tighten the set screw.

## MOUNTING

Install mixer on bung hole. Turn unit so that the adapter is screwed into the bung securely. If excess vibration occurs:

1. Check all supports to make sure they are rigid
2. Check for straightness of the shaft.

## POWER SUPPLY

Motors must be wired in accordance with local codes and standards. A motor wiring guide is located on the junction box. Wire to produce a clockwise rotation (as viewed from the motor end of the mixer).

Air powered models require a male (1/4 NPT) fitting to thread into the air motor. Be sure it is assembled to the "inlet" port (not exhaust port) to produce a 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 inlet pressure to the mixer.

## SPARE PARTS

No spare parts are recommended for normal operation. If after a long or severe service a breakdown occurs, refer to parts list on page 2.

## MODELS BP-2 THROUGH BPA-5

All parts for "BP Series" are the same as the parts from page 2 with the exception of the shaft, propeller and motor. Shaft assembly – 5/8" x 32" long with fixed blades is used on all BP models.



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## DRUM MIXER PARTS

DESCRIPTION	BH-1 ¼ HP	BH-2 1/3 HP	BH-3 ½ HP	BA-1 ¼ HP	BA-3 ½ HP	QTY
MOTOR 1 PHASE	313865-2	313865-4	313865-6			1
MOTOR 3 PHASE	313865-15	131865-17	313865-19			1
MOTOR, AIR				313866-1	131866-2	1
SHAFT 5/8 X 32"	320790P021	320790P021	320790P021	320790P021	320790P021	1
PROPELLER	323563A1	323563A1	323563A1	323563A1	323563A1	1
COUPLING	330141	330141	330141	330141	330141	1
ADAPTER	323564P1	323564P1	323564P1	323564P1	323564P1	1
LOCK WASHER	320184P3	320184P3	320184P3	320184P3	320184P3	4
HEX HEAD CAP SCREW	320185P37	320185P37	320185P37	320185P37	320185P37	4
SET SCREWS	330552P34	330552P34	330552P34	330552P34	330552P34	5
SET SCREWS 1/4 -20	320159P25	320159P25	320159P25	320159P25	320159P25	2