



Agitators

Agitators, Quick Mixers & Accessories





Binks has developed a complete upgrade to the agitators used in conjunction with existing pressure tanks (both light and heavy-duty applications).

The new worm gear agitator drive units offer:

- Superior oil drainage
- No need for safety guards (no exposed drive parts)
- 15:1 reduction (versus 20:1) that requires less air consumption for the same output shaft speed
- Backward compatibility for easy upgrades on current and past pressure tanks.

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The new agitators will be applicable to 2, 5, 10, 15, 30 and 60 gallon pressure tanks, 5 and 10 gallon pails, and open or closed drums up to 55 gallons that use agitators to mix fluid materials.



Look for these

Container Icons throughout this

catalog to assist in finding the perfect agitation

solution for the

containers you use.

LARGE TANKS (30 & 60 GALLONS)			
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CLOSED DRUMS (55 GALLONS)			
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843000	Direct Drive Agitator Assembly (less cover)	Agitators & Covers	14	
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149-873*	Quick Mixer for 5 & 10 Gallon Pails	Quick Mixers	10















Binks gear drive agitators for 55 gallon drums

- Model 31-393 Gear Drive Agitator (drive only)
- Model 31-394 Gear Drive Agitator (complete with support assembly)
 - For 55 gallon drums with built-in agitator

Furnished with:

- 1/2 HP air motor
- 15:1 gear-reducer drive (40 RPM)
- Four shaft adapter couplings: 3/8 in. dia., 7/16 in., 1/2 in. and 5/8 in. square

- 31-394

31-393 -

Shipping weight: 32 lbs.

Ref. Part Sheet: 77-2805

Speed: Speed of the air motor is regulated by an air adjusting valve (part no. HAV-500). The speed of the agitator shaft below the reduction gear box should not run faster than 30 to 40 RPM maximum.

Air Supply: Air used to operate this unit should come directly from a high pressure source; do not use air that has passed through a regulator. Air supply to the motor should be a minimum of 60 psi gauge pressure.



Binks direct drive agitator for light body materials in open top 55 gallon drums

- Model 31-129 Direct Drive Agitator (with cover)
- Model 41-3300 Direct Drive Agitator (less cover)
- Model 41-3304 Direct Drive Agitator (less cover)
 - For light body materials such as stains and lacquers

Shipping weight: 33 lbs. Ref. Part Sheet: 77-1390 Speed: 3000 RPM maximum Air supply to the motor Air Supply: should be a minimum

of 60 psi gauge.

An air filter and moisture trap is recommended.

Specifications:

Model Number:	41-3300	41-3304
Container Size:	55 Gallon Drum	55 Gallon Drum
Motor Specifications	3	
Air Motor Model:	Direct	Direct
HP:	3/4	3/4
CFM:	10-14	10-14
Shaft Specifications		
Material:	Stainless Steel	Stainless Steel
Mount:	Flange	Flange
Diameter:	1/2 in. (12.7 mm)	1/2 in. (12.7 mm)
Propeller Specificati	ons	
Number of Props:	2	2
Diameter:	4-1/2 in. (114.3 mm)	4-1/2 in. (114.3 mm
Material:	Aluminum	Stainless Steel

Specifications:

Model Number:	31-129	
Container Size:	55 Gallon Drum	
Motor Specification	ns	
Air Motor Model:	Direct	
HP:	3/4	
CFM:	10-14	
Shaft Specification	S	
Material:	Stainless Steel	
Mount:	Flange	
Diameter:	1/2 in. (12.7 mm)	
Propeller Specifica	ntions	
Number of Props:	2	
Diameter:	4-1/2 in. (114.3 mm)	
Material:	Stainless Steel	
Cover Specification	ns	
Part Number:	31-124	
Size:	55 Gallon Cover	
Material:	Zinc Plate & Clear Chromate	





Binks gear drive agitator for open top 55 gallon drums

Model 31-400 Gear Drive Agitator Complete Assembly (less cover) 31-401

41-3305 -

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- Model 31-401 Gear Drive Agitator (drive only)
- Model 41-3305 (agitator only)
 - 55 gallon gear driven drum cover agitator unit

Speed : Speed of the air motor is regulated by an air adjusting valve (part no. HAV-500). The speed of the agitator shaft below the gear box is 30 to 40 RPM and should not run faster than 40 RPM amximum. Ref. Part Sheet: 77-2804

An air filter and moisture trap are recommended.



ASSEMBLIES SBINKS

Binks gear drive agitator for heavy fluids in open top 55 gallon drums

Model 31-397 Gear Drive Agitator (with cover)

- For open top 55 gallon drums
- Gear drive, 40 RPM
- For heavier fluids such as paints and mastics

Furnished with:

- 1/2 HP air motor (10 to 14 CFM)
- Two 14-1/2 in. diameter stainless steel paddles with stainless steel shaft
- Zinc Plated Clear Chromate cover (31-124)

Shipping weight: 60 lbs.

Ref. Part Sheet: 77-2804

- Speed: Speed of the air motor is regulated by an air adjusting valve (part no. HAV-500). The speed of the agitator shaft below the reduction gear box should not run faster than 30 to 40 RPM maximum.
- Air Supply: Air used to operate this unit should come directly from a high pressure source; do not use air that has passed through a regulator. Air supply to the motor should be a minimum of 60 psi gauge pressure.

An air filter and moisture trap is recommended.

Model 202-55-2 Gear Drive Agitator (with cover)

- For open top 55 gallon drums
- Gear drive, 1 HP
- Two Stainless Steel Paddles
- For heavier fluids such as paints and mastics

Model 202-55-4 Gear Drive Agitator (with cover)

- For open top 55 gallon drums
- Gear drive, 1 HP
- Four Stainless Steel Paddles
- For heavier fluids such as paints and mastics

Specifications:			
Model Number:	31-397	202-55-2	202-55-4
Container Size:	55 Gallon Drum	55 Gallon Drum	55 Gallon Drum
Motor Specifications			
Air Motor Model:	Gear	Gear	Gear
HP:	1/2	1-1/2	1-1/2
CFM:	10-14	45 CFM	45 CFM
		@300 RPM	@300 RPM
		@60 PSI	@60 PSI
Shaft Specifications			
Mount:	Flange	Flange	Flange
Diameter:	1/2 in. (12.7 mm)	1 in. (25.4mm)	1 in. (25.4mm)
Speed:	30 to 40 RPM	300 RPM max.	300 RPM max.
Propeller Specification	ons		
Number of Props:	2	2	4
Diameter:	4-1/2 in. (114.3 mm)	_	_
Material:	Stainless Steel	Stainless Steel	Stainless Steel
Cover Specifications			
Model Number:	31-124		
Size:	55 Gallon		
Material:	Zinc Plated		
	Clear Chromate		
	Cover		









Binks drive unit for 30 & 60 gallon pressure tanks

Model 31-385 Oscillating Air Motor Drive

- Drive unit for continuously reversing paddle rotation
- 400 in. lbs. torque at 80 PSI
- 1-36 osc. /min (adjustable)
- 1 CFM air requirements at 10 osc. /min
- For pressure tank sizes 30 and 60 gallons (and some old style 2, 5, 10 and 15 gallon)
- Ref. Part Sheet: 77-2802

ASSEMBLIES SBINKS

Binks drive unit for 30, 60 gallon pressure tanks and 55 gallon drums

Model 31-396 Agitator Drive

- Air Motor Drive Unit with gear reducer
- 1/2 HP; 15:1 Ratio; 40 RPM output
- Shipping Wt.: 20 lbs.
- Ref. Part Sheet 77-2804
- Speed: Speed of the air motor is regulated by an air adjusting valve (part no. HAV-500). The speed of the agitator shaft below the reduction gear box should not run faster than 30 to 40 RPM maximum.

Air Supply: Air used to operate this unit should come directly from a high pressure source; do not use air that has passed through a regulator. Air supply to the motor should be a minimum of 60 psi gauge pressure.









149-873 (1/2 HP)	149-874 (1/2 HP)

(1/2 HP)	(1/2 HP)
149-365 (shown)	149-693
and 10 gallons	55 gallons
21 in. x 1/2 in.	40 in. x 1/2 in.
5 in. 🖉	5 in.
21 in.	40 in.
9 lbs.	10 lbs.
	149-365 (shown) and 10 gallons 21 in. x 1/2 in. 5 in. 21 in.

Model No.

Binks quick-mixers for container sizes of 5 to 55 gallons

Designed for standard and for extra heavy industrial uses.

All Purpose: Unsurpassed for paint, resins, chemicals, and slurries.

High Performance: Explosion-proof direct drive air motors: 1/2 HP (standard), 1 HP (heavy duty). Implosion-type high shear mixer blades thoroughly mix 5 gallons of paint in less than 60 seconds.

Rugged: Stainless steel shaft and impeller. Specially welded stress points makes mixer virtually unbreakable.

Puncture-proof: Patented double ring design eliminates damage to container.

Speed: The speed of the air motor is regulated by an air adjusting valve (73-159).





Binks bung agitator for closed-top 55 gallon drums



Binks Bung Agitators are easy-to-use high torque mixers with collapsible blades allowing insertion and extraction through the standard 2-in. bung in closed-top 55 gallon containers. During rotation, centrifugal force causes the blades to open.

Bung agitators are air-motor driven with 32-in. long shafts and mounted with 2 sets of blades.

Model 31-296 Heavy Duty **Bung Agitator**

Furnished with: 1 HP air motor drive Shipping weight: 17 lbs. Ref. Part Sheet: 77-2055 3000 RPM maximum Speed: (regulated by 73-159 air adjusting valve) Air Supply: Air supply to the motor should be 60 psi gauge pressure minimum.

BINKS







Binks C-clamp agitators for rim mounting on 55 gallon open conatiners

Model 31-120

Furnished with:	1 HP air motor and 9-1/2 inch diameter paddles
Shaft length:	32 in.
Number of	
propellers:	2
Ref. Part Sheet:	77-1617
Speed:	3000 RPM maximum.
	(regulated by 73-159
	air adjusting valve)
Air Supply:	Air supply to the motor
	should be 60 psi gauge
	pressure minimum.









Binks oscillating air motor drive for 5, 10 and 15 gallon pressure tanks

Binks oscillating air motor drives are designed to drive agitator paddle assemblies primarily for the agitation of paint. They generate sufficient torque for correct agitation in 5, 10, and 15 gallon pressure tanks.

Due to oscillating motion, baffles are not required inside the tank to aid agitation

Model 31-381 Oscillating Air Motor Drive

Furnished with:

- Oscillating Air Motor (model 31-360)
- Air Hose (model HA-57011; 1 ft long with 1/4 NPS[f] connections)
- Adapter (H-2008; 1/4 NPT[m] x 1/4 NPS[m])

Ref. Part Sheet: 77-2788

Specifications:

Air Quality Required:	Dirt: 5 microns	
	Water: 44.6° F (7° C) at	
	101.5 PSI (7 bar)	
	Oil: 0.1 mg/m3	
Recommended		
Compressed	72.5 PS	SI (5 bar)
Air Supply Pressure:		
Supply Connection:	1/4 in.	BSP (H)
Air Consumption	1.0	cfm
@ 10 cycles/minute:	(28 litr	es/min.)
Shaft Connection:	1/2 in. (femal	e) Square Drive
Torque at	22.25	ftlbs.
72.5 PSI Air Supply:	(30.1 Nev	/ton-meter)
Rotation:	Oscillation @ +/- 180°	
Operating Range:	Manual Adjustment /	
1	10-30 cyc	cles/minute
Performance Data:	With 60 lbs. air pressure when	
	agitating a liqui	d of 120 seconds
	viscosity (N	o. 4 Ford cup)
	Speed Approximate	
	(oscillations	Air
	per minute)	Consumption
	20	1.0 CFM
	30	1.5 CFM
	40	3.0 CFM





Models 843000 and 843001 (agitator assembly only)

 Agitator assembly for use with
 5 gallon (843000) or 55 gallon (843001) container

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Models 874502 and 874506 (drum cover only)

- 5 Gallon Agitator Mounts to 874502 Drum Cover (SS) (order separately)
- 55 Gallon Agitator Mounts to 874506 Drum Cover (SS) (order separately)

Specification	S:
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Model Number:	843000	843001
	(shown)	(not shown)
Container Size:	5 Gallon	55 Gallon Drum
Motor Specifications		
Air Motor Model:	QMS-428	QMS-428
HP:	3/4	3/4
RPM:	300-3000	300-3000
Shaft Specifications		
Material:	316SS	316SS
Mount:	Hub	Hub
Diameter:	1/2 in. (12.7 mm)	1/2 in. (12.7 mm)
Length:	12 in. (305 mm)	32 in. (813 mm)
Propeller Specification	S	
Number of Props:	1	2
Diameter:	4 in. (102 mm)	4 in. (102 mm)
Material:	316SS	316SS
Direction:	CCW	CCW
Maximum Air Inlet	100 psi	100 psi
Pressure:	(6.9 bar)	(6.9 bar)
Air Inlet:	1/4 in18	1/4 in18
	NPTF (f)	NPTF (f)
Rotation:	Clockwise	Clockwise
Muffler:	Included*	Included*
Optional Drum Cover:	874502	874506
	(shown)	(not shown)
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Model 874502



*83-1527 Muffler Replacement (see photo inset)

Model 31-133 SS fitted with zinc plated chromate cover

Model 41-3312 SS fitted (less cover)

For 5 gallon pails, direct drive

Furnished with:	1/4 HP air motor 4 to 8 CFM
	One 3-1/8 in. diameter stainless
	steel propeller and shaft
Ref. Part Sheet:	77-1474
Speed:	3000 RPM maximum
Air Supply:	Air supply to the motor should
	be a minimum of 60 psi gauge
	pressure and a maximum of
	100 psi gauge pressure.

An air filter and moisture trap is recommended.

Model 41-3306 (less cover)

For 5 gallon pails, direct drive

Furnished with:	1/4 HP air motor 4 to 8 CFM
	One 3-1/8 in. diameter
	aluminum propeller and
	steel shaft
Ref. Part Sheet:	77-1474
Speed:	3000 RPM maximum
Air Supply:	Air supply to the motor should
	be a minimum of 60 psi gauge
	pressure and a maximum of
	100 psi gauge pressure.

ACCESSORIES S BINKS

Agitators for 2 gallon pressure tanks 83G & QMG (galvanized) 83S & QMS (stainless steel)

- Model QMG-416 Direct Drive Agitator (for use with 83G and QMG)
- Model QMS-430 Direct Drive Agitator (for use with 83S and QMS)
 - Air-powered direct drive agitator assembly with 1/4 HP air motor and a three-bladed propeller to keep materials mixed in suspension, even high solids
 - Agitator assemblies come complete with HAV-500 air adjusting valve and HA-57011 air hose assembly.
 - Stainless steel and galvanized agitator assemblies are interchangeable.
 - Shipping Wt: 8 lbs.
 - Service Bulletin Number: SBBI-19-046

Specifications:

Performance data with 60 lbs. air pressure when agitating a liquid of 120 seconds viscosity (No. 4 Ford cup):

Speed (Oscillations Per Minute)	Approximate Air Consumption
20	1.0 cfm
30	1.5 cfm
40	3.0 cfm

QM-142 Hand Crank

For manual operation of agitatorShipping Wt: 1 lb.

Seinks Accessories





Model 83-2476

83-2476 Heavy Duty Agitator Drive

- For 30 and 60 gallon tanks only
- Air Motor Drive Unit with gear reducer
- 1 HP; 30:1 Ratio; 15 to 50 RPM output
- Shipping Wt: 20 lbs.
- Ref. Part Sheet 77-1622
- Speed: Speed of the air motor is regulated by an Air Adjusting Valve (part no.73-159). Propeller below the reduction gear box should never be run faster than 3000 RPM maximum.
- Air Supply: Air Supply: Air supply to the motor should be 60 psi gauge pressure minimum. An air filter and moisture trap is recommended.

Binks direct drive agitators for galvanized, zinc plated and stainless steel pressure tanks

Model QS-5012 Indirect Air Motor Drive

- For 2-, 5-, 10- and 15-gallon 83G, 83S, QMGT, QMST tanks only
- Designed to drive agitators.
- An air filter and moisture trap is recommended.
- Standard duty, smooth running with gear reducer
- 1/4 HP; 15:1 Ratio; 20-120 RPM maximum
- Includes throttling valve, fittings, and hose for connection to air supply on tank lid.
- Air consumption: Approx. 6 CFM at 50 RPM.
- Shipping Wt: 11 lbs.
- Service Bulletin Number: SB-19-087

QM-142 Hand Crank

- For manual operation of agitator
- Shipping Wt: 1 lb.

83 Series Direct Drive Agitators 83Z, 83C, 83S and 83G Series

- Use on 2-gallon models
- Air powered direct drive agitator assembly with 1/4 HP air motor and a three-bladed propeller to keep materials mixed in suspension, even high solids
- Must order air motor and shaft assemblies separately:
- For 83Z Series Stainless Steel order:
- Model PT-427 air motor/adapter
 Model PT-419 shaft assembly
- Woder P1-419 shart assembly

For 83C Series Zinc Plated order:

- Model PT-418 air motor/adapter
- Model PT-428 shaft assembly
- For 83G & QMGT 2-gal. Tanks order:
 Model QMS-416 complete air motor & shaft assembly

For 83S & QMST 2-gal. Tanks order:

 Model QMS-430 complete air motor & shaft assembly

ACCESSORIES S BINKS

Binks agitators and covers for open top 55 gallon drums and drums with built-in agitators







- 55 Gallon drum cover
- 24 in. diameter
- Cover includes 3 holes for additional components

Model 874506 Stainless Steel Drum Cover (not shown)

- 55 Gallon drum cover
- Stainless steel
- For use with 1/2 in. diaphragm pumps and bung mounted piston pumps

QS-5003 Paint Drum Agitator Drive

- For use with paint drums having built-in agitators.
- Powerful 3/4 HP variable speed air motor
- 300-3000 RPM motor
- Requires 5 to 8 CFM of air for 50 RPM of agitator; adjustable from 10 RPM up
- Air connection: 1/4 in. NPS(M)
- Includes couplings to fit 7/16 in. and 1/2 in. agitator shafts.
- Mounting adapter fits both 1-1/2 in. and 2 in. threads
- Shipping Wt: 15 lbs.
- Service Bulletin Number: SB-19-087

Model 41-9000 Elevator

- Single post elevator for lifting 55 gallon cover-mounted pump and agitator units.
- Shipping Wt: 68 lbs.
- Reference Part Sheet: 77-1392









Binks direct drive agitators, drives and covers for open top 55 gallon drums

- Models 41-3300, 41-3304, 41-3305 and 31-129 for 55 Gallon Drums
 - Furnished alone or as an assembly, mounted to container covers.
 - Stainless steel agitator and drive assembly only

Speed: Speed of propeller shaft is determined by fluid, 1000 RPM maximum

Air Supply: Air supply to the motor should be 60 psi gauge pressure minimum.

An air filter and moisture trap is recommended.

Specifications:

Model Number:	41-3300	41-3304
Includes:	Agitator & Drive Assembly Only	Agitator & Drive Assembly Only
Material:	Steel	Stainless Steel
Container Size:	55 Gallon Drum	55 Gallon Drum
No. of Propellers or Paddles;	2	2
Propeller/Paddle Diameter:	4-1/2 in. (Aluminum)	5-1/8 in. (SS)
Shaft Speed:	To 1000 RPM	To 1000 RPM
Air Drive Type: HP: CFM:	Direct 1/4 10-14	Direct 1/4 10-14
Shipping Weight:	12 lbs.	12 lbs.
Part Sheet Reference:	77-1390	77-1390

Specifications:

Model Number:	41-3305	31-129
Includes:	Agitator Assembly Only	Agitator Drive and Cover Assembly
Material:	Stainless Steel	Stainless Steel
Container Size:	55 Gallon Drum	55 Gallon Drum
No. of Propellers or Paddles;	_	2
Propeller/Paddle Diameter:	_	5-1/8 in. (SS)
Shaft Speed:	To 1000 RPM	To 1000 RPM
Air Drive Type: HP: CFM:	Direct 1/4 10-14	Direct 1/4 10-14
Shipping Weight:	10 lbs.	33 lbs.
Part Sheet Reference:	77-1657	77-1390



ACCESSORIES S BINKS

Binks agitators, drives and covers for 5 gallon containers

Models 41-3306, 41-3312 and 31-133 for 5 Gallon Pails

- Furnished alone or as an assembly, mounted to container covers.
- Agitator and drive assembly only, standard

Speed: Speed of propeller shaft is determined by fluid, 3000 RPM maximum

Air Supply: Air supply to the motor should be 60 psi gauge pressure minimum.

An air filter and moisture trap is recommended.

Specifications:

Model Number:	41-3306	41-3312	31-133
Includes:	Agitator & Drive Assembly Only	Agitator & Drive Assembly Only	Agitator Drive and Cover Assembly
Shaft/Propeller Material:	Steel	Stainless Steel	Stainless Steel
Container Size:	5 Gallon Pail	5 Gallon Pail	5 Gallon Pail
No. of Propellers or Paddles:	1	1	1
Propeller/Paddle Diameter:	3-1/8 in.	3-1/8 in.	3-1/8 in.
Shaft Speed:	To 3000 RPM	To 3000 RPM	To 3000 RPM
Air Drive			
Туре:	Direct	Direct	Direct
HP:	1/4	1/4	1/4
CFM:	10-14	10-14	10-14
Shipping Weight:	12 lbs.	12 lbs.	33 lbs.
Part Sheet Reference:	77-1474	77-1474	- //

Model 41-3205

- Cover for open-top container
- Used for 5-gallon container
- For Pogo, Pogo B,
- and Transmatic
- Shipping Wt.: 5-1/2 lbs.
- Ref. Part Sheet: 77-1470

Sales and Service Through a Nationwide Network of Industrial Distributors



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