

**BINKS**  
A **CARLISLE** BRAND



# Rotary Piston Air Drive Agitators

Reduce Air Consumption  
and Operating Costs

# A New Generation

Reduce Air Consumption by up to 90%

Carlisle Fluid Technologies rotary piston air driven agitators are the cost-saving alternative agitators that typically provide a return on investment in under one year.

Typical pneumatic agitator motors blow compressed air across vanes and allow for large volumes of air to be exhausted without doing any work. The Carlisle Fluid Technologies rotary piston motor directs air into sealed piston chambers to make every CFM count.

This significant reduction in CFM consumption and running costs quickly justifies the installation cost, making it the next best choice before going fully electric\*. Ask Carlisle Fluid Technologies about savings applicable to your operation.

## FEATURES

### Instantly Know Your Agitator Speed

With the press of a button, Carlisle Fluid Technologies' rotary piston motors instantly indicate your RPM speed - ensuring you achieve the right balance between paint conditioning and energy efficient operation.

### A Solution for Most Applications

With options for 5 gallon pails, pressure tanks, 55 gallon drums, day tanks, and totes, you're sure to find the right Carlisle Fluid Technologies rotary piston motor solution for your paint kitchen.

### Low Maintenance and Durable

No air line lubrication is required for the piston motor. Periodic greasing of the bearings will help extend its service life.

\*Actual savings dependent on many variables including environment and product configuration. Data based on Binks 15:1 geared agitator drive run 0-100 psi max, 50-150rpm within a 1 poise fluid.

## PRESSURE TANKS

31-502



Purchase a new 2 to 15 gallon stainless steel pressure tank complete with a 1/4 hp rotary piston agitator. Retrofit any existing Binks 183 Series pressure tank that has a 15:1 geared agitator.

183S-214



STAINLESS STEEL TANK	2 GALLON	5 GALLON	10 GALLON	15 GALLON
Single (Regulated air to tank only)	183S-214	183S-514	183S-1014	183S-1514
Double (Regulated air to tank and gun)	183S-224	183S-524	183S-1024	183S-1524
Extra Sensitive	183S-234	183S-534	183S-1034	183S-1534
Extra Sensitive w/ gun regulation	183S-244	183S-544	183S-1044	183S-1544

PART #	DESCRIPTION
31-502	1/4 hp Air motor assembly to replace 15:1 geared drive

Note: Suitable for viscosities up to 1000cP

DPT4c319-2T



## PAILS (5 GALLON)

PART #	DESCRIPTION
DPT4c319-2T	1/4 hp, c/w Tachometer, 3 blade prop, SS hinged lid assembly, siphon & return openings
QS-PS40P12R	1/4 hp, single 4.72" diameter paddle, 15.75" shaft (cover not included)
31-604	5 Gallon Pail Mount assembly without motor (refer to back page to pair with 1/8, 1/4, 1/2 or 1 hp motor)

Note: Suitable for viscosities up to 1000cP

## LARGE TANKS (30 & 60 GALLONS)



31-524

PART #	DESCRIPTION
83-5808	30 Gallon galvanized ASME tank with 1hp agitator
83-5708	60 Gallon galvanized ASME tank with 1hp agitator
31-524	Air Motor assembly (1 hp) to replace 15:1 geared drive on 30/60 gallon tanks

Notes: Suitable for viscosities up to 1000cP  
Picture for reference only

4DSY4F619-8T



DTK5M619-8T



## STAINLESS STEEL DAY TANKS

### Mount + Motor Assembly

PART #	DESCRIPTION
3DSY4F619-8T	1 hp, 3" Sanitary and Tachometer (1/2" Female Driveshaft)
4DSY4F619-8T	1 hp, 4" Sanitary and Tachometer (1/2" Female Driveshaft)
3DSY5F619-8T	1 hp, 3" Sanitary and Tachometer (3/8" Female Driveshaft)
4DSY5F619-8T	1 hp, 4" Sanitary and Tachometer (3/8" Female Driveshaft)
3DSY6F619-8T	1 hp, 3" Sanitary and Tachometer (3/4" Female Driveshaft)
4DSY6F619-8T	1 hp, 4" Sanitary and Tachometer (3/4" Female Driveshaft)
3DSY5M619-8T	1 hp, 3" Sanitary and Tachometer (3/8" Male Driveshaft)
4DSY5M619-8T	1 hp, 4" Sanitary and Tachometer (3/8" Male Driveshaft)
DTK4F619-8T	1 hp, Tank Mount and Tachometer (1/2" Female Driveshaft)
DTK5F619-8T	1 hp, Tank Mount and Tachometer (3/8" Female Driveshaft)
DTK6F619-8T	1 hp, Tank Mount and Tachometer (3/4" Female Driveshaft)
DTK5M619-8T	1 hp, Tank Mount and Tachometer (3/8" Male Driveshaft)

Note: Suitable for viscosities up to 1000cP



31-606



31-610



31-616

### Tank Mounts Only

Requires the selection of a motor†

PART #	DESCRIPTION
31-605	3" sanitary mount, (3/8" Male Driveshaft)
31-606	3" sanitary mount, (1/2" Female Driveshaft)
31-607	3" sanitary mount, (3/8" Female Driveshaft)
31-608	3" sanitary mount, (3/4" Female Driveshaft)
31-609	4" sanitary mount, (3/8" Male Driveshaft)
31-610	4" sanitary mount, (1/2" Female Driveshaft)
31-611	4" sanitary mount, (3/8" Female Driveshaft)
31-612	4" sanitary mount, (3/4" Female Driveshaft)
31-613	1/2" female driveshaft, 3 Hole gasket - Includes 3.220, 3.350 and 4.060" hole patterns
31-614	3/8" female driveshaft, 3 Hole gasket - Includes 3.220, 3.350 and 4.060" hole patterns
31-615	3/4" female driveshaft, 3 Hole gasket - Includes 3.220, 3.350 and 4.060" hole patterns
31-616	3/8" male driveshaft, 3 Hole gasket - Includes 3.220, 3.350 and 4.060" hole patterns
31-564-K	Bearing and seal kit for the tank mounts

†Mounts only are suitable for 1/4, 1/2, or 1 hp motors

24DBR619-8T



## CLOSED DRUMS (55 GALLONS)

31-603



With built in shaft and agitator paddles

PART #	DESCRIPTION
DBG619-4T	1/2 hp, Bung mount and Tachometer
DBG619-8T	1 hp motor, Bung mount and Tachometer
31-603	Bung Mount without motor (refer to back page to pair with 1/4, 1/2 or 1HP bare motors)
23DBR619-8T	1 hp, 23" Clamp mount and Tachometer
24DBR619-8T	1 hp, 24" Clamp mount and Tachometer
31-600	Bar mount mixer drive 23" bars (mount only)
31-601	Bar mount mixer drive 24" bars (mount only)

Note: Suitable for viscosities up to 1000cP

## OPEN DRUMS (55 GALLON)

QS-PS80TP20S

PART #	DESCRIPTION
QS-PS80TP20S	1 hp, twin 7.87" diameter paddle, 31.5" shaft, (cover not included)
31-527	1 hp, twin 14-1/2" paddles, zinc plated cover
31-526	1 hp, twin 14-1/2" paddles, stainless steel cover
31-525	1 hp, twin 14-1/2" paddles agitator assembly (no cover)
GEM2-D2D1R50	1/2" Acetal Gemini II package with 1 hp agitator, stainless steel siphon



31-527

Note: Suitable for viscosities up to 1000cP

## TOTE/IBC (300 GALLON)

DLG619-8T



With built in shaft and agitator paddles

PART #	DESCRIPTION
DLG619-8T	1 hp, Tote mount and Tachometer
31-602	Tote mount without motor (refer to back page to pair with 1/2 or 1 hp required motor)

Notes: Suitable for viscosities up to 1000cP

Bracket is required for IBC connections

Speed Indicator



## BARE MOTORS

All motors have a maximum operating pressure of 90psi (6 bar) and include RPM speed indicator

Model	31-507	31-508	31-509	31-510
Description	¼ HP, 3 Cylinder bare air motor	¼ HP, 3 Cylinder bare air motor	½ HP, 6 Cylinder bare air motor	1 HP, 6 Cylinder bare air motor
MAX RPM	800	800	600	400
MIN RPM	20	20	20	25
Torque	8 in/lb	12 in/lb	26 in/lb	60 in/lb
Air Consumption	0.78 CFM @ 200 RPM / 4.50 CFM @ 800 RPM (no load)	0.78 CFM @ 200 RPM / 5.51 CFM @ 800 RPM (no load)	1.38 CFM @ 200 RPM / 9.75 CFM @ 600 RPM (no load)	2.53 CFM @ 200 RPM / 8.98 CFM @ 400 RPM (no load)
Piston Seal Kit	31-550-K	31-553-K	31-556-K	31-559-K
Motor Repair Kit	31-551-K	31-554-K	31-557-K	31-560-K
Overhaul Kit	31-552-K	31-555-K	31-558-K	31-561-K

Products may not be available in all regions.

### The brands you trust

Carlisle Fluid Technologies, a wholly-owned subsidiary of Carlisle Companies Incorporated, is dedicated to providing customers industry-leading solutions for the supply, control, application and curing of a wide range of paints, powders, sealants, adhesives and other application materials. From manual finishing equipment, to highly automated mass-production installations, the company solves customers' material application challenges through the combination of product innovation and decades of technical expertise. Focused on efficient, cost-effective global solutions for the transportation and other industrial markets, the company offers an expanding collection of pioneering product brands - BGK™, Binks®, DeVilbiss®, Hosco®, ms® and Ransburg®.

### Let's start a conversation

We want to work together to help answer your application challenges. To learn more about what we can offer, visit our website at **CarlisleFT.com** or call us today.



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North America 1.800.992.4657  
 EMEA 44.0.1202.571111  
 China 86.21.33730108  
 Japan 81.45.785.6421

marketing@carlisleft.com  
 marketing-eu@carlisleft.com  
 mkt\_cn@carlisleft.com  
 jp-rans-tokyosales@carlisleft.com

