

Pressure Feed Containers

Pressure feed containers are used to allow the coating material to be prepared, thinned and conditioned, constantly agitated (if required) and then supplied in bulk to consistently maintain the correct spraying viscosity and pressure. The Binks range is equipped with easy to operate air regulators (to set the desired fluid outlet pressure) safety pressure relief valves and Manual, Rotary or Oscillating agitation types are available to provide the best quality agitation.

Binks Pressure Feed Containers are constructed from the highest grade materials and fully comply with European and Global pressure regulations including PED, ATEX and ASME.

Binks have a pressure tank to fit every industrial application.

Agitators

Binks offer a selected range of Air Driven paint agitators for general industrial use, the range includes Drum & Pail mounted agitators with Heavy Duty motors. These are detailed on the back page.



Pressure Feed Containers & Agitators

- Fully approved and CE marked to the latest pressure equipment directive 97/23/EC.
- Constructed from Heavy Gauge steel with forged steel clamps
- St St & Carbon Steel Plated range covers ALL industrial applications
 - Higher pressure rating for Heavier materials
- Range offers complete material handling suitability for solvent and waterborne coatings
 - Inner Liners reduce cleaning time and save coating material
 - Top and Bottom outlet conversion kits available
- Single air regulator as standard with optional dual outlet kits



Zinc Plated for Solvent-Based Coatings (10 litres)

Shown with optional twin air regulators.



Stainless Steel Wetted Parts (10 litres)

Stainless steel passageways for solvent and waterborne materials.



Stainless Steel Construction throughout (10, 40 and 60 litre capacity)

For waterborne and solvent based materials.



Galvanised Carbon Steel (40 litres)

For solvent based materials.



Note: A disposable tank liner is supplied with all pressure tanks as standard.

Replacement tank liner part numbers are:

10 litre (2.8 gal.) – PT-78-K10 or K60 40 litre (11.8 gal.) – PTL-412-K8

60 litre (19.8 gal.) PTL-415-K10

When combined with the use of disposable liners, there is no more economical way to run a paint operation for most applications.



Pressure Feed Containers - Accessories

Bottom outlet conversion kits #QMS-443 for 40 & 60 litre and QMS-435 for 10 litre St St tanks.

Air Regulator Kits - Pressure tanks are supplied with one air regulator as standard - Optional kits are available.

Model QMS-436: One gauge, one regulator. Converts single regulation to dual.

Model QMS-4006: One gauge, one regulator. Regulates and indicates tank pressure.

Model QMS-4007: Two gauges, two regulators. Controls tank pressure and atomisation air pressure to gun.

For further detailed pressure tank information please refer to the appropriate service bulletin.

Pressure Feed Containers - Range and Specification

	Part No.	Capacity		Pressure Feed Tank - Construction type	Agitation	Agitator type*	Air inlet	Fluid outlet	Max. Pressure	
		Litres	US Gallon						bar	(psi)
Zinc Plated	83C-210	10	2.8	Zinc plated - Carbon Steel	No Agitation	None	1/4"	3/8"	5.5	80
	83C-211	10	2.8	Zinc plated - Carbon Steel Rotary Agitation	Direct Drive	D	1/4"	3/8"	5.5	80
Stainless "Wetted" Parts	83Z-210	10	2.8	Stainless Steel Lid and st st fluid passages	No Agitation	None	1/4"	3/8"	5.5	80
	83Z-211	10	2.8	Stainless Steel Lid and st st fluid passages	Direct Drive Rotary Agitation	D	1/4"	3/8"	5.5	80
Fully Stainless Steel	83S-210	10	2.8	Fully Stainless steel - Electropolished	No Agitation	None	1/4"	3/8"	7.6	110
	83S-211	10	2.8	Fully Stainless steel - Electropolished	Direct Drive Rotary Agitation	D	1/4"	3/8"	7.6	110
	83S-212	10	2.8	Fully Stainless steel - Electropolished	Manual Agitation	Manual	1/4"	3/8"	7.6	110
	83S-213	10	2.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
	83S-1010	40	11.8	Fully Stainless steel - Electropolished	No Agitation	None	1/4"	3/8"	7.6	110
	83S-1013	40	11.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
	83S-1016	40	11.8	Fully Stainless steel - Electropolished	Reciprocating Agitation	R	1/4"	3/8"	7.6	110
Galvanised Steel	83G-1010	40	11.8	Galvanised Carbon Steel	No Agitation	None	1/4"	3/8"	7.6	110
	83G-1013	40	11.8	Galvanised Carbon Steel	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
	83G-1016	40	11.8	Galvanised Carbon Steel	Reciprocating Agitation	R	1/4"	3/8"	7.6	110
Fully Stainless Steel	83S-1510	60	19.8	Fully Stainless steel - Electropolished	No agitation	None	1/4"	3/8"	7.6	110
	83S-1512	60	19.8	Fully Stainless steel - Electropolished	Manual Agitation	Manual	1/4"	3/8"	7.6	110
	83S-1513	60	19.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110

*Agitator types :- **D** Direct Drive Agitator - Air powered direct drive agitator assembly with 1/2 hp air motor and a three blade propeller to keep materials in suspension even with high solids.

I Indirect Air Motor Drive - Standard duty, smooth running with gear reducer, 1/2hp, 15:1 ratio, 20 to 120 RPM. Inc throttling valve, fittings and hose for connection to air supply on tank lid. Air consumption is approx 6CFM @ 50RPM.

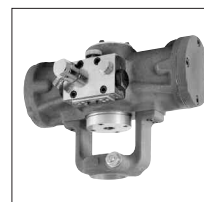
R Reciprocating Air Motor Drive - 180° reciprocating action provides excellent agitation of all types of materials. Particularly important for waterborne shear sensitive materials. Very low air consumption.



Agitator type D



Agitator type I



Agitator type R

Binks agitators, drives and covers for 25 litre (5 gallon) containers

Models 41-3306, 41-3312 and 31-133 for 25 litres (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 4 bar (60 psi) gauge pressure minimum.

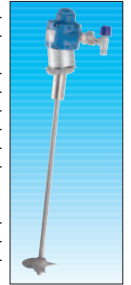
Model 41-3205

- Cover for open-top container
- Used for 25 litre (5-gallon) container
- For Pogo, Pogo B, and Transmatic
- Shipping Wt.: 2.75 kg (5 1/2 lbs)
- Ref. Part Sheet: 77-1470



Specifications:

Model Number:	41-3312	31-133
Includes:	Agitator & Drive Assembly Only	Agitator Drive and Cover Assembly
Shaft/Propeller Material:	Stainless Steel	Stainless Steel
Container Size:	25 litre (5 Gallon) Pail	25 litre (5 Gallon) Pail
No. of Propellers or Paddles:	1	1
Propeller/Paddle Diameter:	3 1/8 in.	3-1/8 in.
Shaft Speed:	To 3000 RPM	To 3000 RPM
Air Drive Type:	Direct	Direct
HP:	1/4	1/4
CFM:	10-14	10-14
Shipping Weight:	6 kg (12 lbs)	16.6 kg (33 lbs)
Part Sheet Reference:	77-1474	-



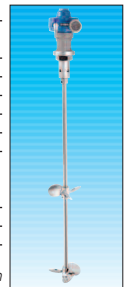
Binks direct drive agitators and drives for open top 105 litre (55 gallon) drums

Model 41-3304 for 105 litre (55 Gallon) Drums

- 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 4 bar (60 psi) gauge pressure minimum.

Specifications – Model Number: 41-3304

Includes:	Agitator & Drive Assembly Only
Material:	Stainless Steel
Container Size:	105 litre (55 Gallon Drum)
No. of Propellers or Paddles:	2
Propeller/Paddle Diameter:	130mm (5 1/8 in) (SS)
Shaft Speed:	To 1000 RPM
Air Drive Type:	Direct
HP:	1/4
CFM:	10-14
Shipping Weight:	6 kg (12 lbs)
Part Sheet Reference:	77-1390



41-3300 agitator and drive assembly shown

Binks gear drive agitator for heavy fluids in open top 105 litre (55 gallon) drums

Model 31-397 Gear Drive Agitator (with cover)

- For open top 105 litre (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) ● Zinc Plated Clear Chromate cover (31-124)
 - Two 370mm (14 1/2 in. diameter stainless steel paddles with stainless steel shaft

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 4 bar (60 psi) gauge pressure.

Specifications – Model Number: 31-397

Container Size:	105 litre (55 Gallon) Drum
Motor Specifications	Air Motor Model: Gear
	HP: 1/2
	CFM: 10-14
Shaft Specifications	Mount: Flange
	Diameter: 12.7 mm (1/2 in)
Speed:	30 to 40 RPM
Propeller Specifications	Number of Props: 2
	Diameter: 370 mm (14.5 in)
	Material: Stainless Steel
Cover Specifications	Model Number: 31-124
	Size: 105 litre (55 Gallon) Drum
	Material: Zinc Plated Clear Chromate Cover



Binks drive unit for 105 litre (55 gallon) drums

Model 31-396 Agitator Drive

- Air Motor Drive Unit with gear reducer
- Shipping Wt.: 9.1 kg (20 lbs)
- 1/2 HP; 15:1 Ratio; 40 RPM output
- 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.



DeVilbiss indirect air motor drive for drum mounting

- Indirect geared air motor drive, oil less design
- Fully approved to ATEX
- 30 to 100 RPM
- Stainless steel material, wetted parts
- 15:1 ratio



ITW Industrial Finishing

Ringwood Road, Bournemouth, England BH11 9LH
 Tel: +44 (0)1202 571111
 Fax: +44 (0) 1202 573488
 Email: industrial.mktg@itwfinishing.co.uk

ITW Oberflächentechnik GmbH & Co. KG

Justus-von-Liebig-Strasse 31,
 63128 Dietzenbach Germany
 Tel: +49 (0) 6074-403-1
 Fax: +49 (0) 6074-403-300
 Email: marketing@itw-finishing.de

ITW Surfaces et Finitions

163-171 Avenue des Auréats, BP 1453
 26014 Valence cedex FRANCE
 Tel: +33(0)4 75 75 27 00
 Fax: +33(0)4 75 75 27 59
 Email: mkt@itwfsf.com