

BINKS

Pressure Feed Containers & Agitators

BINKS®



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) and safety pressure relief valves. 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.

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 handles 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

S & G type include filler port





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.

Bottom Outlet Kits for 183G- and 183S- ASME Code Tanks:

Bottom outlets kits include sturdy steel legs, mounting fasteners, fittings and outlet pipe.

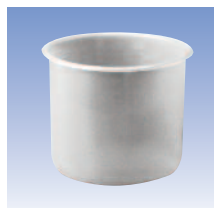
	Bottom Outlet Kit	Fluid Outlet if using Bottom Outlet Kit
10 litre Tanks	183-3000	3/4" NPT(m) or 3/4" NPS(m)
40 & 60 litre Tanks	183-3001	3/4" NPT(m) or 3/4" NPS(m)



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 Litres	US Gallon	Pressure Feed Tank - Construction type	Agitation	Agitator type*	Air inlet	Fluid outlet	Max. Pressure (psi)	
Zinc Plated	83C-210-CE	10	2.8	Zinc plated - Carbon Steel	No Agitation	None	1/4"	3/8"	5.5	80
	83C-211-CE	10	2.8	Zinc plated - Carbon Steel Rotary Agitation	Direct Drive	D	1/4"	3/8"	5.5	80
Stainless "Wetted" Parts	83Z-210-CE	10	2.8	Stainless Steel Lid and st st fluid passages	No Agitation	None	1/4"	3/8"	5.5	80
	83Z-211-CE	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	183S-210-CE	10	2.8	Fully Stainless steel - Electropolished	No Agitation	None	1/4"	3/8"	7.6	110
	183S-211-CE	10	2.8	Fully Stainless steel - Electropolished	Direct Drive Rotary Agitation	D	1/4"	3/8"	7.6	110
	183S-212-CE	10	2.8	Fully Stainless steel - Electropolished	Manual Agitation	Manual	1/4"	3/8"	7.6	110
	183S-213-CE	10	2.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
	183S-1010-CE	40	11.8	Fully Stainless steel - Electropolished	No Agitation	None	1/4"	3/8"	7.6	110
	183S-1012-CE	40	11.8	Fully Stainless steel - Electropolished	Manual/Option Reciprocating Agitation	Manual R *	1/4"	3/8"	7.6	110
	183S-1013-CE	40	11.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
Galvanised Steel	183G-1010-CE	40	11.8	Galvanised Carbon Steel	No Agitation	None	1/4"	3/8"	7.6	110
	183G-1012-CE	40	11.8	Galvanised Carbon Steel	Manual/Option Reciprocating Agitation	Manual R *	1/4"	3/8"	7.6	110
	183G-1013-CE	40	11.8	Galvanised Carbon Steel	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
Fully Stainless Steel	183S-1510-CE	60	19.8	Fully Stainless steel - Electropolished	No agitation	None	1/4"	3/8"	7.6	110
	183S-1512-CE	60	19.8	Fully Stainless steel - Electropolished	Manual Agitation	Manual	1/4"	3/8"	7.6	110
	183S-1513-CE	60	19.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110

*Agitator types :-

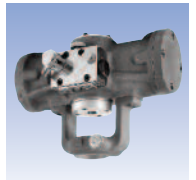
- D** Direct Drive Agitator - Air powered direct drive agitator assembly with 1/2 hp air motor and a three blade propeller to keep materials in suspension even with high solids.
- I** Indirect Air Motor Drive - Standard duty, smooth running with gear reducer, 1/2 hp, 15:1 ratio, 20 to 120 RPM. Inc throttling valve, fittings and hose for connection to air supply on tank lid. Air consumption is approx 6 CFM @ 50 RPM.
- 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 (optional).

105451* L20 kit to provide reciprocating agitator on 183S-1012-CE & 183G-1012-CE pressure tanks

Note: Binks tanks are supplied with NPS threads as standard. For BSP threads, add a 'B' after the part no. Example: 183S-210-CE-B

Binks drive unit for 205 litre (55 gallon) drums

Model 31-401 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

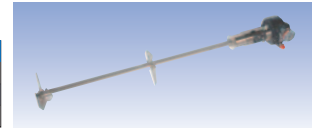
- Indirect geared air motor drive, oil less design
- Fully approved to ATEX
- 30 to 100 RPM
- Stainless steel material, wetted parts
- 15:1 ratio



Binks Direct Drive Agitators for 205 litre (55 gallon) drums

Note: Binks recommends the use of an oil lubricator with all air driven agitators.

Part No.	Description	
QS-574-H*	Rotary agitator assembly (S.S.) for 205L. Lid mounting. shaft length 1135mm.	Max air pressure 7 BAR
QS-575-H*	Rotary agitator assembly (S.S.) for 205L. Lid mounting. shaft length 900mm.	Max air pressure 7 BAR
QS-576-H*	Rotary agitator assembly (S.S.) for 205L. Lid mounting. shaft length 760mm.	Max air pressure 7 BAR

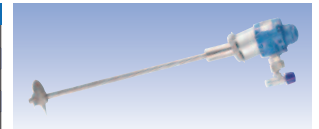


Part no: QS-574-H rotary Agitator

Binks Agitators, Drives and Covers for 25 litre (5 gallon) containers

- 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 Number	41-3312-CE*	31-133-CE*
Includes	Agitator & Drive Agitator Drive	Assembly Only & 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	79mm (3 1/8 in)	79mm (3 1/8 in)
Shaft Speed	To 3000 RPM	To 3000 RPM
Air Drive Type	Direct (HP: 1/4) (CFM:10-14)	Direct (HP: 1/4) (CFM:10-14)
Shipping Weight	6 kg (12 lbs)	16.6 kg (33 lbs)
Part Sheet Reference	77-1474	-



Part no: 41-3312-CE

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

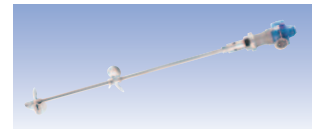


Binks Direct Drive Agitators and Drives for open top 205 litre (55 gallon) drums

Model 41-3304 for 205 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.

Model Number: 41-3304	
Includes	Agitator & Drive Assembly Only
Material	Stainless Steel
Container Size	205 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



Binks Gear Drive Agitator for heavy fluids in open top 205 litre (55 gallon) drums

Model 31-397 Gear Drive Agitator (with cover)

- For open top 205 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.

Model Number: 31-397		
Container Size	205 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:	205 litre (55 Gallon) Drum
	Material:	Zinc Plated Clear Chromate Cover



Includes 31-401 drive unit.



For more technical information refer to the Binks Tanks and Agitators Service Bulletins

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