



# Premium Elevator Systems

For Solvent- and Water-Based Materials

# Plug 'n' Play, Fully Customizable

## *Binks*® Premium Elevator Systems

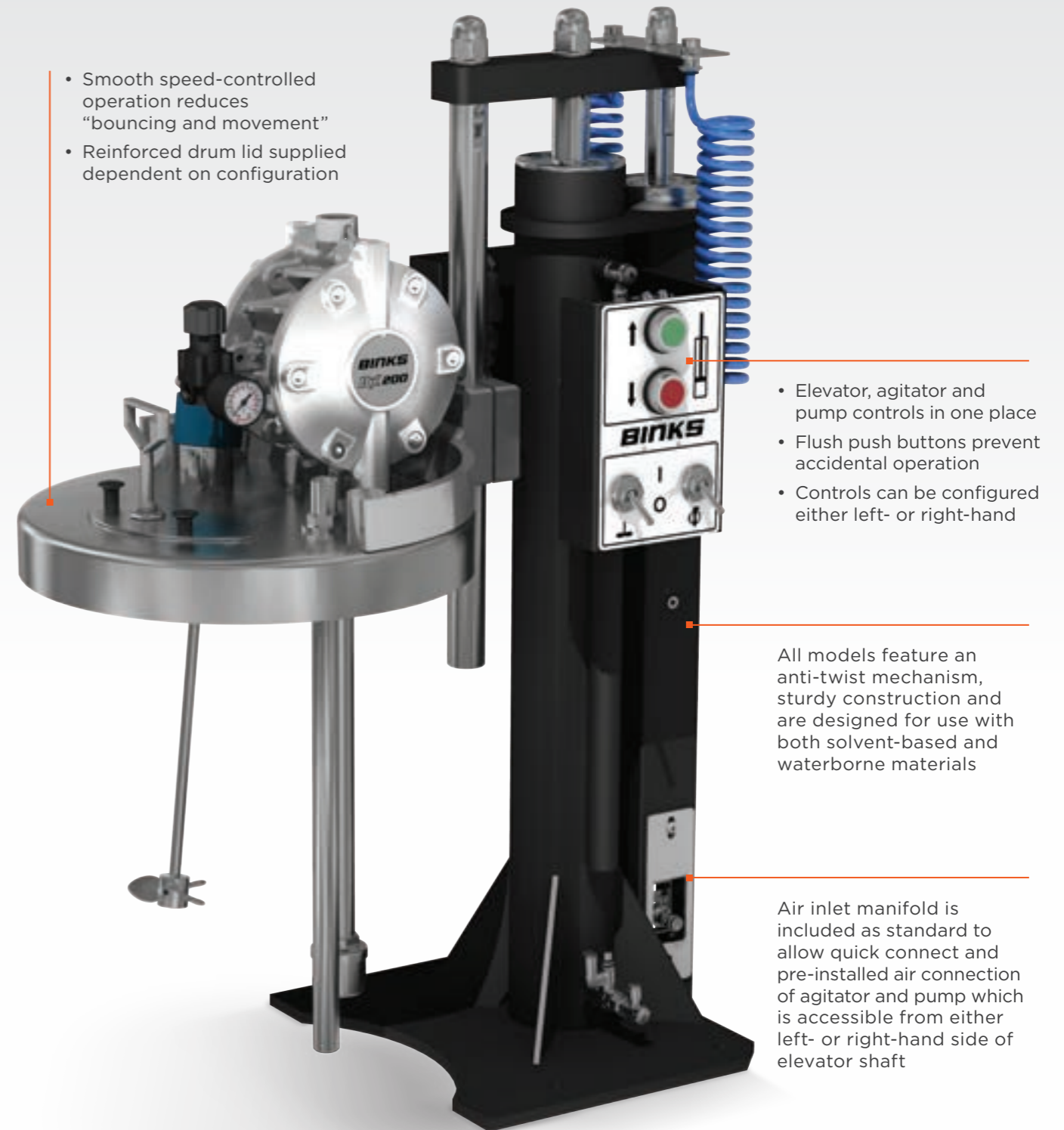
Carlisle Fluid Technologies wants to be your number one resource for pneumatic drum elevators for industrial and automotive applications.

**Introducing our latest innovation — *Binks*® premium elevator systems** — providing a plug 'n' play elevator system configured to work out of the box, saving installation and assembly time.

The *Binks*® premium elevator systems are fully configurable, and assembled to your specifications, to meet the demands of any production installation. They utilize the *Binks*® range of pumps and agitators to offer the best fluid handling delivery system, and include a host of operator and safety features. All *Binks*® elevators feature an anti-twist mechanism, and sturdy construction and they are designed for use with both solvent- and water-based materials.

They come with various hose management options (cable carrier, flexible conduit and coiled hoses), and lids contain cutouts and inspection hatches. The elevators are Machinery- and ATEX-approved for use in Zones 1 and 2.

This guide provides an overview of elevators currently available from the *Binks*® product line.



- Smooth speed-controlled operation reduces “bouncing and movement”
- Reinforced drum lid supplied dependent on configuration

- Elevator, agitator and pump controls in one place
- Flush push buttons prevent accidental operation
- Controls can be configured either left- or right-hand

All models feature an anti-twist mechanism, sturdy construction and are designed for use with both solvent-based and waterborne materials

Air inlet manifold is included as standard to allow quick connect and pre-installed air connection of agitator and pump which is accessible from either left- or right-hand side of elevator shaft

# Your Build, Your Way

## Binks® Elevator System Options

### Available for container sizes:

25 L/5 gal, 205 L/55 gal,  
1000 L/Tote/IBC (bare unit only)

DX200 3:1



### Safety Features

- Lockable inspection hatch to keep untrained operators away from the drum interior
- Safety interlocks automatically stop the pneumatic or electric agitator from operating when the drum lid is raised
- Concealed agitator interlock design prevents operator tampering without the correct tools
- Speed controller ensures a slow and controlled descent of the drum lid — whatever the weight!

### Controls

- Flush mounted up/down controls prevent accidental operation
- Controls can be configured right- or left-handed
- Elevator, agitator and pump controls in one place

### Pump Options

#### DX200 1:1 Diaphragm Pump

- Aluminum or stainless steel
- Max fluid pressure 7 bar (100 psi)
- Continuous fluid delivery 5 L/min (1.25 gal/min)

#### DX200 3:1 Diaphragm Pump

- Stainless steel
- Max fluid pressure 21 bar (305 psi)
- Continuous fluid delivery 3.5 L/min (0.9 gal/min)

#### Maple 15/3 Horizontal Piston Pump

- Stainless steel
- Max fluid pressure 21 bar (305 psi)
- Continuous fluid delivery 7.5 L/min (2 gal/min)

25 L/5 gal Direct Drive



### Pneumatic Agitator Option

#### 25 L/5 gal Direct Drive

- 80 mm (3") diameter
- Standard shaft 343 mm (13.5")
- Short shaft 305 mm (12")

#### 205 L/55 gal Direct Drive

- Twin paddle
- Shaft 753 mm (29.6")
- 150 mm/5.9" diameter

#### 205 L/55 gal Geared Drive

- IEC71 or NEMA 56C motor flange mount
- Twin paddle
- Standard or long-life motor
- Shaft 800 mm (31.5")
- 200 mm (7.87") diameter

205 L/55 gal Geared Drive



### Electric Agitator Option

#### 25 L/5 gal Geared Drive

- IEC71 or NEMA 56C motor flange mount
- Shaft 400 mm (15.7")
- 120 mm (4.7") diameter

#### 205 L/55 gal Geared Drive

- IEC71 or NEMA 56C motor flange mount
- Inverter driven or fixed speed
- Twin paddle
- Shaft 800 mm (31.5")
- 200 mm (7.87") diameter

Double Coiled



### Cable and Hose Management Options

- Single or double coiled hose 8 mm (1/8")
- Single or double flexible hose conduit
- Cable carrier
- High and low mounting points



Pail Lids

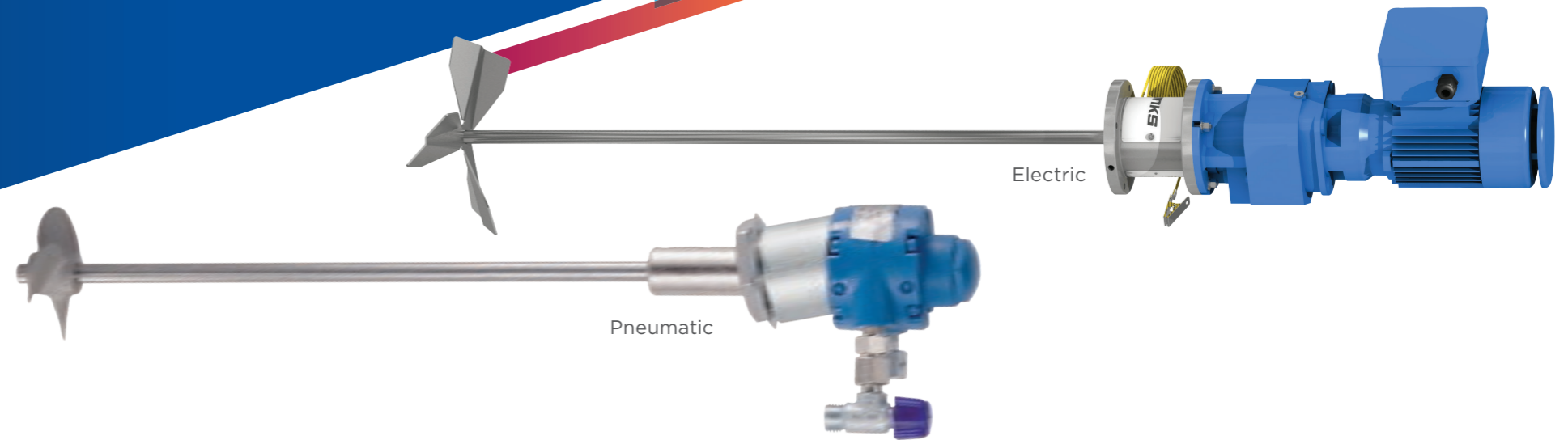


### Pail Lid Configurations

- Blank or pre-drilled for a variety of equipment mounting options
- 25 L/5 gal or 205 L/55 gal lid sizes
- Lockable inspection hatch
- Reinforced for the weight of heavy equipment
- Available fitted with 1/4", 3/8" or 1" suction tubes
- Option for 1/2" return tube through lid

# Specifications

## Binks® Agitator Options



### Binks® offers a range of agitators for use with the premium elevator line

#### Pneumatic air operated rotary agitators

The agitators ensure paints and fluids are agitated precisely to keep paints solids in suspension and maintain optimum finishing characteristics. Binks® agitators are suitable for a wide range of viscosities and paint material types including solvent and waterborne.

#### Electrically driven paint agitator

The electrically driven agitators provide sufficient torque to drive paddle assemblies for the agitation of solventborne and waterborne paints. A range of paddle sizes and shaft lengths are available to accommodate different diameters and containers.

The featured agitators are available as part of the premium elevator systems range and can also be purchased independently.

All premium elevator drum lids are supplied with pre-drilled holes or blanking plates to reduce installation time.

	QS-ES80TP20D	QS-PS80TP20K	QS-ES80TP20B	QS-PS80TP20B	QS-576-H	41-3312	41-3312-S	QS-ES40P12D	QS-ES40P12B	QS-ES40P12C
Type	Electric	Electric	Electric	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Electric	Electric	Electric
Suitable For Container Size	205 L/55 gal	205 L/55 gal	205 L/55 gal	205 L/55 gal	205 L/55 gal	25 L/5 gal	25 L/5 gal	25 L/5 gal	25 L/5 gal	25 L/5 gal
Number of Paddles	2	2	2	2	2	1	1	1	1	1
Impeller Dimension Ø	20 cm (7.87")	20 cm (7.87")	20 cm (7.87")	20 cm (7.87")	15 cm (5.91")	8 cm (3.15")	8 cm (3.15")	12 cm (4.72")	12 cm (4.72")	12 cm (4.72")
Drive Combination	IEC 71 Electric Inverter Drive Agitator	IEC 71 Pneumatic Drive Agitator – Long Life	NEMA 56C Gearbox & Agitator Only	NEMA 56C Gearbox & Agitator Only	Direct Drive	Direct Drive	Direct Drive	IEC 71 Electric Inverter Drive Agitator	NEMA 56C Gearbox & Agitator Only	IEC 71 Electric Fixed Speed Agitator
Shaft Length	80 cm (31.5")	80 cm (31.5")	80 cm (31.5")	80 cm (31.5")	80 cm (31.5")	35 cm (13.78")	30 cm (11.81")	40 cm (15.75")	40 cm (15.75")	40 cm (15.75")
Impeller Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

# Part Number Reference

## Binks® Premium Elevator Systems

ELEVATOR		STROKE	CONTROLS		LID		AGITATOR		PUMP/SUCTION		HOSE MANAGEMENT		RETURN HOSE	OTHER	
DE	-	05	B		A		00		A		A		-	00	A
			B Default		A NONE		00 NONE		A NONE		A NONE			00 NONE	A NONE
		05 25 L/5 gal 500 mm (19.69") Stroke	B RH up/down	K LH up/down	B 25 L/5 gal Type A lid Blank	K 205 L/55 gal Type A lid Blank	01 Electric EU IEC Inverter QS-ES80TP20D		B 25 L/5 gal 1/2" Suction tube through lid	M 205 L/55 gal 3/4" Suction tube + DX200AN-1	B Cable carrier 955st (62Hx50W)	K Cable carrier 500st (62Hx50W)		01 25 L/5 gal 1/2" NPSM Return tube through lid	B 25 L/5 gal Drum positioning with electrical proxy sensor
		10 205 L/55 gal 955 mm (37.6") Stroke	C RH up/down, Agitator control Pneumatic interlock	L LH up/down Agitator control Pneumatic interlock	C 25 L/5 gal Type B lid Small Hatch + Electric agitator + 1/2" Suction & return	L 205 L/55 gal Type B lid Hatch + Electric agitator + DX200 + 1xSuction + Return + Reinforcement	02 Pneumatic EU IEC Standard QS-PS80TP20K		C 25 L/5 gal 3/4" Suction tube through lid	N 205 L/55 gal 1/2" Suction tube + DX200SN-1	C 955st Single flexible conduit Ø50	L 500st Single flexible conduit Ø50		02 25 L/5 gal 1/2" BSPP Return tube through lid	
		12 IBC/Tote 1250 mm (49.22") Stroke	D RH up/down Agitator & pump control Pneumatic interlock	M LH up/down Agitator & pump control Pneumatic interlock	D 25 L/5 gal Type C lid Hatch + DX200 + Suction + Return + Pneumatic agitator	M 205 L/55 gal Type C lid Hatch + Pneumatic direct agitator + DX200 + 1xSuction + Return	03 Pneumatic EU IEC Long-life QS-PS80TP20L		D 205 L/55 gal 3/4" Suction tube through lid	P 205 L/55 gal 1/2" Suction tube + DX200-3SN-1	D 955st Double flexible conduit Ø50	M 500st Double flexible conduit Ø50		04 205 L/55 gal 1/2" BSPP Return tube through lid	
			E RH up/down Pump control only	N LH up/down Pump control only	E 25 L/5 gal Type E lid Small hatch + DX200-3 + Return + Pneumatic agitator	N 205 L/55 gal Type D lid Hatch + Electric agitator + Maple 15 + 1xSuction + Return + Reinforcement	05 205 L/55 gal Pneumatic QS-576-H		E 205 L/55 gal 1" Suction tube through lid	Q 25 L/5 gal 1/2" Suction tube + DX200-3SN-1	E 955st Single Ø8 coiled hose	N 500st Single Ø8 coiled hose			
			F RH up/down Agitator control Electric interlock	P LH up/down Agitator control Electric interlock	F 25 L/5 gal Type D lid Small hatch + Maple 15 + Suction + Return + Pneumatic agitator		06 25 L/5 gal Pneumatic direct drive 41-3312		K 25 L/5 gal 3/4" Suction tube + DX200AN-1		F 955st Double Ø8 coiled hose	P 500st Double Ø8 coiled hose			
			G RH up/down Agitator & pump control Electric interlock	Q LH up/down Agitator & pump control Electric interlock			07 25 L/5 gal Pneumatic direct drive Short shaft 41-3312S		L 25 L/5 gal 1/2" Suction tube + DX200SN-1		Y 1250st Single Ø8 coiled hose				
							11 25 L/5 gal Electric EU IEC (Fixed speed 194 RPM) QS-ES40P12C								

### How to use this system configurator

- Each Model is color coded  
■ DE-05, ■ DE-10, ■ DE-12
- Only options with the same color or gray are compatible

# Specifications

## Binks® Premium Elevators



	STROKE	MINIMUM/MAXIMUM INLET PRESSURE	AIR INLET CONNECTION	MAXIMUM LOAD (INCLUDING LID/LID SUPPORT)	MAXIMUM LOAD DISTANCE	MAXIMUM DRUM DIAMETER	MAXIMUM OPERATION SPEED	WEIGHT	HEIGHT x WIDTH	UP/DOWN CONTROLS	AGITATOR CONTROLS	PUMP CONTROLS	RECOMMENDED AIR QUALITY (ISO 8573.1 CLASS 3.3.2 #)	NOISE LEVEL @ 7 BAR (100 PSI)	TEMPERATURE RANGE	EARTH CONNECTION RESISTANCE
<b>Binks® DE-05</b> Drum Elevator	500 mm (19.7")	MIN 3 bar (44 psi)  MAX 7 bar (100 psi)	G 1/2" BSPP Female	50 kg (110 lb)	300 mm (11.8")	Ø 340 mm (13.4")	0.1 m/s (4"/s)	51 kg (112 lb)	Base Elevator Maximum Height 1378 mm (54.3")  Maximum Height With Cable Carrier 1944 mm (76.5")  Width 350 mm (13.8")	Included	Optional	Optional	Dirt: 5 µm  Water: -20° C @ 7 bar (940 ppm)  Oil: 0.1 mg/m³ Non-lubricated	< 70 dBA	0-40° C (32-104° F)	<1Ω
<b>Binks® DE-10</b> Drum Elevator	955 mm (37.6")	MIN 3 bar (44 psi)  MAX 7 bar (100 psi)	G 1/2" BSPP Female	75 kg (165 lb)	375 mm (14.8")	Ø 640 mm (25.2")	0.1 m/s (4"/s)	70 kg (154 lb)	Base Elevator Maximum Height 2268 mm (89.3")  Maximum Height With Cable Carrier 2857 mm (112.5")  Width 350 mm (13.8")	Included	Optional	Optional	Dirt: 5 µm  Water: -20° C @ 7 bar (940 ppm)  Oil: 0.1 mg/m³ Non-lubricated	< 70 dBA	0-40° C (32-104° F)	<1Ω
<b>Binks® DE-12</b> Drum Elevator	1250 mm (49.2")	MIN 3 bar (44 psi)  MAX 7 bar (100 psi)	G 1/2" BSPP Female	30 kg (66 lb)	1000 mm (39.4")	N/A	0.1 m/s (4"/s)	65 kg (143 lb)	Base Elevator Maximum Height 1608 mm (63.5")  Maximum Height With Cable Carrier 2858 mm (113")  Width N/A	Included	Optional	Optional	Dirt: 5 µm  Water: -20° C @ 7 bar (940 ppm)  Oil: 0.1 mg/m³ Non-lubricated	< 70 dBA	0-40° C (32-104° F)	<1Ω

# Innovation Applied

For further technical information, refer to the service bulletins available at [CarlisleFT.com](http://CarlisleFT.com)

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We provide systems and accessories for today's coating applicators, including low- and high-pressure manual and automatic spray guns, airless and air-assisted airless spray painting outfits, high- and low-pressure fluid handing pumps and regulators, pressure feed tanks, 2K electronic paint mixing machines, paint circulating systems, filters and strainers, booth accessories, respirators and safety equipment.

## Let's start a conversation

We want to work together to help answer your application problems. To learn more about what we can offer, give us a call at 1-800-992-4657 or visit our website at [CarlisleFT.com](http://CarlisleFT.com).



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