



AA4400M gun with AA10 HVLP air cap
(Flat tip not included)
Part no: 0909-4400-10000E



AA4400M gun with Twist Tip cleaner and
HVLP air cap (no tip)
Part no: 0909-4400-HT0000E

AA4400M

BINKS AIR ASSISTED AIRLESS HVLP MANUAL SPRAY GUN

Binks Air Assisted Airless manual spray gun

The Binks AA4400M air assisted airless spray gun has been designed with the operator and environment in mind. This gun will handle the toughest spray jobs in all industrial markets whilst providing the best fit, feel and comfort operators demand. The spray gun is available with either HVLP or Trans-Tech® air caps operating at lower fluid and air pressures than competitors to achieve an exceptionally fine finish with superior paint savings and lower energy consumption.

Spray fan pattern is adjustable on the gun...

- Unique Trans-Tech or HVLP air caps provide a "Softer fine spray" for superior finish quality and higher transfer efficiency than competitors.

Specification	
Air and fluid inlet thread	1/4" Universal (M)
Fluid passageways	Stainless steel
Gun weight	494 gm
Gun body	Forged aluminium
Max working pressure	303 bar (4400 psi)
Max air inlet pressure	6.8 bar (100psi)
Seat	Tungsten Carbide

Inline paint filter insert available in two sizes –

*60 mesh (kit of 5) pt. no. 54-5788-K5 and 100 mesh (kit of 5) pt. no. 54-5789-K5

*Fitted as standard with all guns.

- Lightweight and Operator friendly design with lighter trigger pull tension
- Easy to remove "in-line" needle assembly for quick maintenance
- Adjustable needle packing and "balanced" air valve design
- Solid forged gun body for maximum durability and longer life
- Stainless steel fluid passages with tungsten carbide seats
- Gun handles Solvent and Waterborne coatings as standard
- Standard flat tip AND Twist tip cleaner available with a wide range of tips from .007" (0.18mm) to .035" (0.89mm).

Typical Applications

- Wooden Joinery and furniture
- Off road vehicles
- Aircraft
- Commercial vehicle chassis
- Skips and trailers.

AA4400M gun (only) part numbers

0909-4400-10000E	AA4400M Air assisted airless gun with AA10 HVLP air cap, (Flat tip not included)
0909-4400-HF000E	AA4400M Air assisted airless hand gun with HVLP air cap, (Flat tip not included)
0909-4400-LF000E	AA4400M Air assisted airless hand gun with Trans-Tech air cap, (Flat tip not included)
0909-4400-HT000E	AA4400M Air assisted airless hand gun with Twist Tip cleaner and HVLP air cap (no tip)
0909-4400-LT000E	AA4400M Air assisted airless hand gun with Twist Tip cleaner and Trans-Tech air cap (no tip)

†Order tip separately.

The full range of premium tips, pre-orifice and twist tips for the AA4400M gun are detailed in the Product Euro Flyer and Service Bulletin.

Gun and Hose packages

AA4400M-AA10-75 SF gun with flat tip assembly and tip

OR

AA4400M-75T SF gun with twist tip cleaner attachment and tip.

Gun and hose packages include: AA4400M Air Assisted Airless Spray Gun with air cap, tip and 7.5 metre Air/Fluid Hose for use with standard Binks pump outfits.



MX LITE Package includes:-

Binks MX4/32 Tripod Mounted Pump with gun air and pump fluid controls. Stainless Steel pick-up tube and filter. 7.5 metre Ultra light weight Air and Fluid Hoses. AA4400M* Spray Gun and Tip with gun mounted standard edge type fluid filter (optional gravity hopper).

(*Tip size to be specified at time of order)

See page 38 details

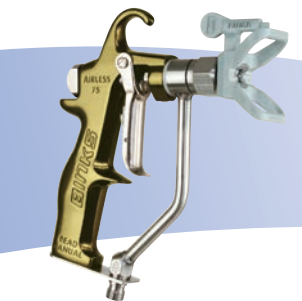


The unique Binks AA10 HVLP (54-5890K) air cap atomises at lower air pressures to provide the highest transfer efficiency with best finish.

AIRLESS A75**BINKS AIRLESS – THE PROFESSIONALS CHOICE****Binks Airless 75 Spray Guns for the toughest of spray jobs.**

Operators will feel the difference when handling the lightweight Airless 75 gun thanks to the contoured handle design. The forged aluminium gun body is made to outlast the competition and will operate all the way up to 517 BAR (7500 psi) The unique needle design and extra wide stainless steel fluid passage-ways will accommodate everything from light stains to heavily bodied zinc rich paints. A wide range of high quality tungsten carbide twist tips are available to provide excellent atomisation and spray performance. Airless 75 Gun range includes a wide range of quality accessories to tackle all airless spray applications.

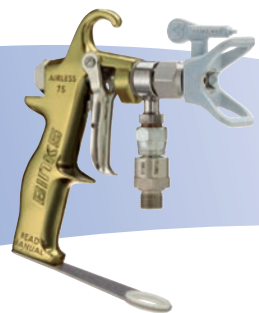
- Forged aluminium body for a long working life
- Two-finger trigger with Ergonomic handle to reduce operator fatigue
- Thick-walled stainless steel fluid tube for heavy and abrasive materials
- Exclusive needle design to keep spring out of the fluid path
- Adjustable needle packing for longer life
- A75M spray gun with larger $\frac{3}{8}$ " inlet for mastic and fire retardant coatings
- Optional Heat guard (available for tube version) for heated applications up to 79°C (175°F).



Airless 75 with External Stainless Steel Tube – Part Number 0811-7500-1



Airless 75 with Direct Connect
Part Number 0811-7500-2
Part Number 0811-7500-3
(large passage version)



Airless 75M Direct Connect
Part Number 0811-7500-4

Airless 75 Specifications	
Max Fluid Pressure:	7500 psi (571 BAR)
Gun Body:	Anodised Aluminium
Maximum Temperature:	175° F (79° C) (heat guard required)
Fluid Path:	Stainless Steel
Fluid Inlet:	$\frac{1}{4}$ NPS ($\frac{3}{8}$ NPS for 75M)
Gun Weight:	660 g

Airless 75 Spray Tip Selection Chart – PART NUMBER 9-XXX-75 (Tips rated for use at 7500 psi)

All of the following tips will have a grey tip handle.

	4" spray (102 mm) pattern	6" spray (152 mm) pattern	8" Spray (203 mm) pattern	10" spray (254 mm) pattern	12" spray (305 mm) pattern	14" spray (355 mm) pattern
.007 (0.18 mm) orifice		307				
.009 (0.23 mm) orifice		309	409	509		
.011 (0.28 mm) orifice	211	311	411	511	611	
.013 (0.33 mm) orifice	213	313	413	513	613	713
.015 (0.38 mm) orifice	215	315	415	515	615	715
.017 (0.43 mm) orifice	217	317	417	517	617	717
.019 (0.48 mm) orifice			419	519	619	
.021 (0.53 mm) orifice			421	521	621	
.023 (0.58 mm) orifice				523	623	
.025 (0.64 mm) orifice				525	625	
.027 (0.69 mm) orifice					627	
.031 (0.79 mm) orifice					631	
.035 (0.89 mm) orifice			435		635	



Part no: A75-1-75
A75 gun with ST ST feed tube
(0811 7500-1) with 7.5 m hose
(3/8" hose bore) and twist tip



Part no: A75-2-75
A75 Direct Connect gun
(0811 7500-2) with 7.5 m hose
(3/8" hose bore) and twist tip



Part no: A75-3M-75
A75M Direct Connect (Heavy Materials)
gun (0811 7500-3) with 7.5 m hose
(3/8" hose bore) and twist tip

BINKS EXTRUSION GUN**EXTRUSION GUN - 101503**

The L6114 Extrusion Gun has been developed to meet the need for a light weight palm grip gun to extrude materials at fluid pressures of up to 340 Bar (5000 PSI). It is designed to handle sealants, mastics, adhesives and putties for a

wide variety of under body and joint sealing applications. Flow rate can be adjusted by the control on the back of the gun.

Service Kit 250086



AG-363 AIR ASSISTED AIRLESS HVLP AUTOMATIC SPRAY GUN



The Binks AG-363 combines the best features of Air Assisted Airless atomisation and Binks engineering to provide a superior atomisation and finish quality coupled with the highest possible transfer efficiencies, resulting in significant paint savings while complying with the toughest EPA regulations.

The AG-363 is a highly advanced Air Assisted Airless automatic spray gun that can be rapidly detached from its low profile manifold block using a simple hexagon key, for fast and easy maintenance and serviceability. This unique feature from Binks dramatically reduces production downtime and increases profitability.

Binks AG-363 is ideally suited for multi-gun finishing machines where repeatable high quality gun performance and total application flexibility are vital to high production environments and efficient throughput.

- Unique single screw attachment to manifold allows quick and easy removal for maintenance and cleaning, reducing downtime.
- HVLP air cap technology produces excellent atomisation with superior transfer efficiency and finishes.
- Air cap has optional 15° indexing for fast and repeatable air cap and tip positioning.
- Manual adjust air controls for easy spray fan adjustment and width control.
- Stainless Steel gun head and fluid passageways for Water based and Solvent based coating compatibility.
- Tungsten Carbide needle and seat for long working life and enhanced abrasion resistance.
- Choice of paint recirculation through gun head or manifold.

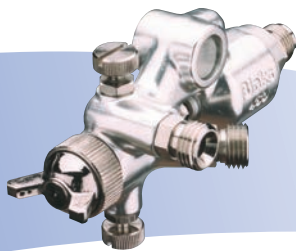
To order AG-363 Standard Tips insert the numbers from the chart into this part number: 114-XXXXX

Tip Size	2"/50mm	4"/100mm	6"/150mm	8"/200mm	10"/250mm	12"/300mm	14"/350mm	16"/400mm	18"/450mm
0.007/0.18		00704	00706	00708					
0.009/0.23	00902			00908	00910	00912			
0.011/0.28		01104	01106	01108	01110	01112	01114		
0.013/0.33		01304	01306	01308	01310	01312	01314	01316	
0.015/0.38			01506	01508	01510	01512	01514	01516	01518
0.017/0.43			01706	01708	01710	01712	01714	01716	01718
0.019/0.48			01906	01908	01910	01912	01914	01916	01918
0.021/0.53					02110	02112	02114	02116	02118
0.024/0.61					02410	02412	02414	02416	02418
0.027/0.69					02710	02712	02714	02716	02718

Fine finish tips are also available for AG-363 (see service bulletin).

Gun Specifications	
Max Air Input Pressure	10 bar/145 psi
Max Fluid Input Pressure	275 bar/4000 psi
Trigger Air Pressure	4 to 10 bar/60 to 145 psi
Max Ambient Operating Temperature	85°C/185°F
Gun Head and Fluid Passageways	Stainless Steel
Gun Body Material	Anodized Aluminium
Manifold Material	Stainless Steel
Air Cap Material	Anodized Aluminium
Fluid Needle and Seat Material	Stainless Steel, Tungsten Carbide
Seals and O rings	HDPE, FEPM

460 BINKS AUTOMATIC SPRAY GUN



Air and fluid inlet 1/4" BSP Fluid passages aluminium

- Aluminium alloy body with plated brass air nozzle
- Stainless steel needle valve and springs
- Gun operation and spray atomisation is controlled from a single air supply
- Control valves for atomisation fan and air flow
- No lag, instant piston controlled "on and off"
- Good range of nozzles for virtually any liquid coatings

The Binks 460 Automatic Spray Gun is a small precision gun designed with accuracy in mind, for ease of fitting to existing automatic and semi-automatic machine. Its small scale dimensions enable the gun to be installed neatly and at close quarters, where the standard range of automatics cannot be accommodated.

Air cap selection table (Conventional)

Part no. and code	Tip diameter in mm			
	0.5	0.75	1.0	1.5
200831 J92S			■	
200833 J92P	■	■	■	
200838 K92P		■		■

BINKS MODEL 550 SPRAY GUN AIRLESS AUTOMATIC SPRAY GUN



Part no: 6700-0000-5. Tip not included

For spraying protective coatings such as lacquers, enamels, water based emulsions, mould release agents and sound deadeners. Spray gun equipped with tip guard, stainless steel fluid passages and forged aluminium spray gun body. Actuating air pressure is 40-60 psi. The material body may be

installed in any of four positions to facilitate fluid hose connection. Spray tip not included, order separately. Mounting hole is 1/2" diameter, furnished with set screw. (Maximum operating pressure is 3000 psi).

Air Inlet	1/4" NPS (m)
Fluid Inlet	1/4" NPS (m)
Weight	680 gm



Super lightweight and greater flexibility for better operator comfort.

BINKS MX LITE HIGH PRESSURE PAINT PUMPS

5:1, 12:1, 31:1 and 32:1 Air Assisted Airless and Airless Spray Packages

The Binks MX LITE spray packages include the Binks Stainless Steel MXL high pressure pumps with Binks AA4400M Air Assisted Airless or A75 Airless Spray Guns.

MX Pump features include:

- Patented Air Valve Technology – Enables pump to change over quickly to significantly reduce pulsation
- Long Lasting Ceramic Coated Piston Rods – Superior wear resistance lasting up to three times longer than hard chrome pistons
- Designed To Pump Longer With Less Downtime & Extended Packing Life – Self-adjusting spring loaded fixed packings

Quality Passport for Binks MX-Pumps:

Modular construction means reduced number of parts for easy and fast maintenance.

- All wetted parts are Stainless Steel—Ideal for use with solvent and water based paints/materials
- Fixed, spring tension packings—Lower maintenance and reduced running costs
- All valve seats are Tungsten Carbide – Long durable working life

MX LITE outfits have been designed to provide users with a low cost, robust industrial spray outfit, able to apply a wide range of industrial coatings whilst providing the very best quality of spray finish.

last up to 3X longer than the competition. Large sight glass for visual packing inspection

- Air Assisted Airless HVLP & A75 guns provide the latest atomisation technology
- Stainless Steel system – pump and gun
- 5 Year Limited Warranty – Best in class warranty for finishing equipment. Manufactured to ISO9001.

- Ceramic coated piston—Extra wear resistance, longer packing life
- Pump packings PTFE/UHMWPE mix (other packing choices available).

MXL4/12 – Airless & Air Assisted Airless Packages

SPECIFICATION	
Ratio	12:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	1.4 l/m
Flow Rate Max.	4.0 l/m
Volume/Cycle	24 cm ³
Max. Operating Pressure	96 bar (1390 psi)
Cylinder Diameter	55 mm
Piston Stroke	75 mm
Air Consumption	62.5 l/min

Mounting types available: Pail/tripod/wall/cart and gravity hopper feed.



Gravity feed option.

MXL412PU-T-ACG
– tripod mounted AAA outfit

MXL4/32 – Airless & Air Assisted Airless Packages

SPECIFICATION	
Ratio	32:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	1.4 l/m
Flow Rate Max.	4.0 l/m
Volume/Cycle	24 cm ³
Max. Operating Pressure	256 bar (3712 psi)
Cylinder Diameter	85 mm
Piston Stroke	75 mm
Air Consumption	147 l/min

Mounting types available: Pail/tripod/wall/cart and gravity hopper feed..



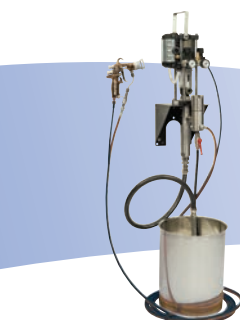
Gravity feed option.

MXL432PU- C-AC
– cart mounted AAA outfit

MXL12/12 – Airless & Air Assisted Airless Packages

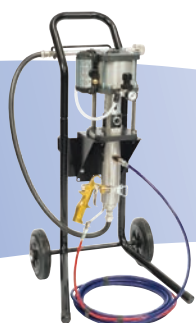
SPECIFICATION	
Ratio	12:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	4.3 l/m
Flow Rate Max.	12.0 l/m
Volume/Cycle	72 cm ³
Max. Operating Pressure	96 bar (1390 psi)
Cylinder Diameter	85 mm
Piston Stroke	75 mm
Air Consumption	147 l/min

Mounting types available: Cart and wall.



MXL1212PU-W-F-ACG
– wall mounted AAA outfit

HIGH PRESSURE PAINT PUMPS



MXL1231PU-C-ACG – cart mounted AAA outfit

MXL12/31 – Airless & Air Assisted Airless Packages

2 4

SPECIFICATION	
Ratio	31:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	4.3 l/m
Flow Rate Max.	12.0 l/m
Volume/Cycle	72 cm ³
Max. Operating Pressure	248 bar (3596 psi)
Cylinder Diameter	140 mm
Piston Stroke	75 mm
Air Consumption	498 l/min

Mounting types available: Cart and wall.



Choose the Binks MXL Pump Outfit for your application from the chart below:

Binks MX Pump outfit Contents and Part Numbers	MXL412PU-T-AC	MXL412PU-W-AC	MXL412PU-T-F-ACG	MXL412PU-T-FG-ACG	MXL432PU-T-AC	MXL432PU-T-ACG	MXL432PU-T-F-ACG	MXL432PU-T-G-ACG	MXL432PU-T-FG-ACG	MXL432PU-W-AC	MXL432PU-W-F-AC	MXL432PU-W-F-ACG	MXL432PU-W-FG-ACG	MXL432PU-C-F-ACG	MXL432PU-C-FG-ACG	MXL432PU-P-F-AC	MXL1212PU-W-F-AC	MXL1212PU-C-ACG	MXL1231PU-W-F-AC	MXL1231PU-W-ACG	MXL1231PU-W-F-ACG	MXL1231PU-C-AC	MXL1231PU-C-F-AC	MXL1231PU-C-F-ACG	MXL1231PU-W-F-AL	MXL1231PU-W-ALG	MXL1231-W-F-ALG	MXL1231PU-C-F-AL
MXL 4/12 Bare Pump	■	■	■	■																								
MXL 4/32 Bare Pump					■	■	■	■	■	■	■	■	■	■	■	■												
MXL 12/12 Bare Pump																	■	■										
MXL 12/31 Bare Pump																			■	■	■	■	■	■	■	■	■	■
High pressure filter assy St St			■	■			■		■		■	■	■	■	■	■			■		■	■	■	■	■	■	■	■
Pail Mounted																	■											
Tripod Mounted	■		■	■	■	■	■	■	■																			
Cart Mounted														■	■				■				■	■	■			■
Wall Mounted		■								■	■	■	■				■			■	■	■				■	■	■
Airless controls																										■	■	■
Air Assisted Airless controls	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
St St metal suction pipe/filter	■		■		■	■										■												
Flexible suction hose assy & filter		■												■			■	■		■	■	■	■	■	■	■	■	■
Gravity Hopper (6 litre)				■				■	■				■		■													
Hose & Gun			■	■		■	■	■	■			■	■	■	■				■		■	■			■	■	■	■

Binks MXL pump outfits are fully assembled, tested and ready to spray.

MX LITE Packages include:- Binks MXL pump mounted on tripod/wall/cart/pail with gun, air and pump fluid controls. 7.5 metre Air and Fluid Hoses. AA4400M* or A75 Spray Gun and Tip with gun mounted stainless steel edge type fluid filter.

(*Tip size to be specified at time of order)

Gun Specification	AA4400M	A75
Air/fluid inlet thread	1/4" Universal (M)	1/4" NPS
Fluid passageways	Stainless Steel	Stainless Steel
Gun weight	490g	660g
Gun body	Forged Aluminium	Anodised Aluminium
Max working fluid pressure	303 bar (4400 psi)	571 bar (7500 psi)
Max air inlet pressure	6.9 bar (100 psi)	–
Seat	Tungsten Carbide	–
Stainless steel inline paint filter	100 mesh	–



The unique Binks AA10 HVLP (54-5890K) air cap atomises at lower air pressures to provide the highest transfer efficiency with best finish.



Pt. No. 0909-4400-10000E
AA4400M AAA GUN with
AA10 Air Cap



Airless 75 with External
Stainless Steel Tube -
Pt. No. 0811 - 7500 - 1



Premium fine finish and
twist tip range available

Standard pump packings PTFE/UHMWPE (other options are available – select from the MX pump service bulletin).

LOW PRESSURE PAINT PUMP



MXL1205PU

MXL12/05 – Low Pressure Paint Pump

2 4

SPECIFICATION	
Ratio	4.8:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate	4.3 l/m
Flow Rate Nominal	0.72 l/m
Volume/Cycle	72 cc
Max. Fluid Pressure	38.4 bar
Cylinder Diameter	55 mm
Piston Stroke	75 mm
Air Consumption	62.5 l/min max

Mounting types available: Cart and wall.

Binks MX 1205 Pump Contents and Part Number	MXL1205UCU	MXL1205PU	MXL1205UCU-C-AC	MXL1205UCU-C-ACG	MXL1205UCU-C-F-AC	MXL1205UCU-C-F-ACG	MXL1205UCU-W-AC	MXL1205UCU-W-ACG	MXL1205UCU-W-F-AC	MXL1205UCU-W-F-ACG
MX 1205 Bare Pump	■	■	■	■	■	■	■	■	■	■
St St Filter Assembly						■				■
Suction Hose Assembly			■	■	■	■	■	■	■	■
Air Assisted Airless Controls			■	■	■	■				■
Hose & Gun						■				■
Cart Mounted			■	■	■	■				■
Wall Mounted							■	■	■	■



MX22035PU-SAH-CAC –
cart mounted AAA outfit

Binks MX35/36 – Airless & Air Assisted Airless Packages

2 4

Pump Specification	MX 35/36
Ratio	36:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate @ 15 cycles (continuous)	3.3 l/min
Flow Rate @ 30 cycles (intermittent)	6.6 l/min
Volume/Cycle	220 ml
Max. Fluid Pressure	288 bar (4176 psi)
Cylinder Diameter	200 mm
Piston Stroke	127 mm
Noise Level	*82.9 dB(A)
Air Consumption @ 20 cycles/min	1132 l/m (40 SCFM)

*Noise level recorded whilst pump was running at 100psi (7 BAR) @ 30 cycles per minute.



Binks MX30/42, MX35/60 and MX30/70 – Airless Packages

2 4

Pump Specification	MX 30/42	MX 30/60	MX 30/70
Ratio	42:1	60:1	70:1
Max. Inlet Pressure	7.0 bar (101.5 psi)	8.0 bar (116 psi)	7.0 bar (101.5 psi)
Flow Rate @ 15 cycles (continuous)	2.85 l/min	3.3 l/min	2.85 l/min
Flow Rate @ 30 cycles (intermittent)	5.7 l/min	6.6 l/min	5.7 l/min
Volume/Cycle	190 ml	220 ml	190 ml
Max. Fluid Pressure	294 bar (4263 psi)	480 bar (6960 psi)	490 bar (7105 psi)
Cylinder Diameter	200 mm	260 mm	260 mm
Piston Stroke	127 mm	127 mm	127 mm
Noise Level	*82.9 dB(A)	*80.7 dB(A)	*80.7 dB(A)
Air Consumption @ 20 cycles/min	1132 l/m (40 SCFM)	1985 l/m (70.1 SCFM)	1792 l/m (63.3 SCFM)

*Noise level recorded whilst pump was running at 100psi (7 BAR) @ 30 cycles per minute.

Guns and hoses are not included in these packages:
Select gun/hose packages on page 21/22.



MX22060PU-SAH-WAL –
wall mounted Airless outfit

MX19070PU-SAH-CAL –
cart mounted Airless outfit with
optional bull bar hose bracket and
quick knock off valve

BINKS MX Pump Outfit contents and part numbers

	MX22036PU-SAH-CAL	MX22036PU-SAH-WAL	MX22036PU-SAH-CAC	MX22036PU-SAH-WAC	MX19042PU-SAH-CAL	MX19042PU-SAH-WAL	MX22060PU-SAH-CAL	MX22060PU-SAH-WAL	MX19070PU-SAH-CAL	MX19070PU-SAH-WAL
Bare Pump MX 35/36 (36:1 ratio / 220 cc/cycle)	■	■	■	■						
Bare Pump MX 30/42 (42:1 ratio / 190 cc/cycle)					■	■				
Bare Pump MX 35/60 (60:1 ratio / 220 cc/cycle)							■	■		
Bare Pump MX 30/70 (70:1 ratio / 190 cc/cycle)									■	■
High Pressure Stainless Steel Filter	■	■	■	■	■	■	■	■	■	■
Cart Mounted	■		■		■		■		■	
Wall Mounted		■		■		■		■		■
Airless Controls	■	■			■	■	■	■	■	■
Air Assisted Airless Controls			■	■						
Flexible suction hose assembly with 30 MESH strainer	■	■	■	■	■	■	■	■	■	■



Temperature Controller
H-76-CTR

Binks Heated Hoses

4

- Hose Specification
 - Inner 6/8mm ID PTFE Fluid Hose with Stainless Steel Braiding
 - Heat Insulation
 - Antistatic outer sheath
 - Outer diameter 43/55mm
 - 1/4" or 3/8" Female cone fittings
 - 5m long connection cables
 - Available in 10M and 15M lengths

- For Fixed Installation
- High Pressure and low pressure applications
- ATEX - For use in hazardous areas (except temp. controller)
- PT100 / 3 wire temperature sensor 230V / 50Hz
- Min Ambient Temperature -20°C
- Max Temperature 120°C
- Designed to maintain temperature of 30°C

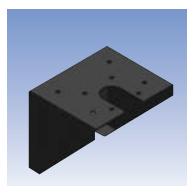
Part No.	Description	Inner Diameter (mm)	Length (m)	Fittings (")	Max working pressure (Bar)
H-76-06-240-10	10mm hose for LP and up to 240 Bar with 1/4" conns	6	10	1/4	240
H-76-06-500-10	10mm hose up to 500 Bar with 1/4" conns	6	10	1/4	500
H-76-08-250-10	10mm hose up to 250 Bar with 3/8" conns	8	10	3/8	250
H-76-08-250-15	15mm hose assembly 250 Bar with 3/8" conns	8	15	3/8	250
H-76-08-475-10	10mm hose assembly 475 Bar with 3/8" conns	8	10	3/8	475
H-76-08-475-15	15mm hose assembly 475 Bar with 3/8" conns	8	15	3/8	475
H-76-CTR	*Temp controller with digital display				

*Temp controller needed with all hose assemblies. Controller to be fitted in non hazardous area.

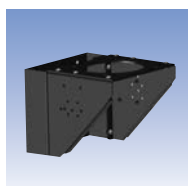
HIGH PRESSURE PAINT PUMPS

MX Pump Outfit Accessories

2 4



1 Wall Bracket



2 Wall Bracket



3 Cart Assembly



4 Cart Assembly



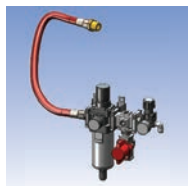
5 Tripod Assembly



6 Lubricating Oil



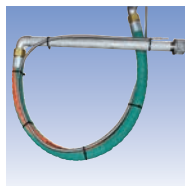
7 Air Controls



8 Air Regulator



9 Fluid Filter



10 Suction Hoses



11 Hose Storage Bracket



12 Airless Hoses

1 Wall Bracket

Part Number	Description	Pump
0115-010179	Wall Bracket	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31

2 Wall Bracket

Part Number	Description	Pump
104095	Wall Bracket	MX35/60 - MX30/70
104116	Wall Bracket	MX35/36 - MX30/42

3 Cart Assembly

Part Number	Description	Pump
0115-010186	Cart Assembly	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31

4 Cart Assembly

Part Number	Description	Pump
104084	Cart Assembly	MX35/36 - MX30/42 - MX35/60 - MX30/70

5 Tripod Assembly

Part Number	Description	Pump
0115-010100	Tripod Assembly	MXL4/12 - MXL4/32

6 Lubricating Oil

Part Number	Description	Pump
0114-016099	Water Based 0.25 l	All MX Pumps
0114-016100	Solvent Based 0.25 l	All MX Pumps
0114-014871	Water Based 0.5 l	All MX Pumps
0114-009433	Solvent Based 0.5 l	All MX Pumps

7 Air Controls

Part Number	Description	Pump
0115-010664	Air Controls – AAA	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0115-010198	Air Controls – Airless	MXL4/32 - MXL12/31

8 Air Regulator

Part Number	Description	Pump
MXA-C13ALM5- H34	Air Control regulator filter – Airless	MX35/36 - MX30/42 - MX35/60 - MX30/70
MXA-C13ACM5-H34	Air Controls – Airless	MX35/36 - MX30/42 - MX35/60 - MX30/70

9 Fluid Filter

Part Number	Description	Pump
0115-010711	Type 1	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0110-009130	Type 3	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0110-011760	Type 11	MX35/36 - MX30/42 - MX35/60 - MX30/70

10 Suction Hoses

Part Number	Description	Pump
0115-010696	Suction Hose - 25 l 30 mesh	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0115-010381	Suction Hose - 200 l 30 mesh	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0115-010699	Tripod Inlet Tube 50 mesh	MXL4/12 - MXL4/32
MXA-S25ME30-DH114	Suction Hose - 25 l 30 mesh	MX35/36 - MX30/42 - MX35/60 - MX30/70
MXA-S210ME30-DH114	Suction Hose - 210 l 30 mesh	MX35/36 - MX30/42 - MX35/60 - MX30/70

Silencer

Part Number	Description	Pump
192509	Silencer	MX35/36 - MX30/42 - MX35/60 - MX30/70

11 Hose Storage Bracket

Part Number	Description	Pump
193381	Optional hose storage bracket for cart and wall assembly	MX35/36 - MX30/42 - MX35/60 - MX30/70

12 Airless Hoses

Part Number	Description	Pump
H-5850	1.8m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
H-5851	1m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
H-5852	15m Airless hose assembly 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
H-5853	15m Airless hose assembly 3/8" bore with 3/8" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
74-011/1	1/4" x 1/4" D.M nipple to join 2 x 1/4" NPS HP hoses	MX35/36 - MX30/42 - MX35/60 - MX30/70
74-011/1	1/4" x 3/8" D.M nipple to join 1/4" NPS x 3/8" NPS HP hoses	MX35/36 - MX30/42 - MX35/60 - MX30/70

BINKS DX70

AIR OPERATED 1:1 DIAPHRAGM PUMPS

DX70 is the perfect solution for one or two spray gun applications with faster colour changes and quick refills for less production downtime.

- Acetal pump body with st. st. balls and soft seats for universal paint compatibility including ceramic glaze coatings
- The unique diaphragm design and “built in” fluid regulator provide consistent pressure and readily adjustable paint flow
- The Non-stall air valve provides smooth, quiet and surge free paint delivery up to 1000 cc/ minute
- Clearly labelled Air regulators provide independent control of pump and spray gun fluid and air pressures
- Quick release air, fluid inlet and outlet connections for faster maintenance
- Re-circulation/dump valve accessory for faster colour changes reducing down time, saving time and money
- Pump outfit mountings include Cart, Wall, 25L Pail and Tripod outfits with or without spray guns and hoses
- Outfits with Fluid filter are available for finer paint finishes.

The Binks DX70 is a high specification, air powered 1:1 ratio double diaphragm pump specifically developed for the direct supply of paints and materials to spray guns. The pump features a unique diaphragm no-crease shape for a long and durable working life DX70 also includes a “built-in” fluid regulator which ensures a constant and virtually pulse free fluid delivery, for direct feed to spray guns without the expense and complications of an additional fluid regulator or surge chamber.

The Binks DX70 range features bare pumps, assembled pump packages and complete “ready to spray” outfits matched with our World renowned DeVilbiss spray guns. DX70 is perfect for use with ALL TYPES of spray gun technologies including, Conventional, Compliant Trans-Tech®, HVLP, LVLP and low pressure Electrostatic guns. Binks DX70 is the low cost solution compared to pressure tanks with no expensive annual pressure test certification regulations.

*The standard pump without fluid regulator can also be used on ceramic glaze applications.

Specifications

DX70 Pump Specification (Bare Pump)	
Pump Ratio	1 : 1
Max. Air Pressure	7 Bar / 100 PSI
Max. Fluid Pressure	7 Bar / 100 PSI
Nominal Flow Volume / Cycle	0.07 Litres (0.018 US Gall)
Fluid Output @ 60 cycles/min	4.2 Litres / min (1.1 US Gall / min)
Max Recommended Continuous Cycle Rate	10 Cycles /min
Max Recommended Intermittent Cycle Rate	30 Cycles /min
Inlet Fluid Connection	3/8" Universal (BSPP/NPSM) Male or Female
Outlet Fluid Connection	3/8" Universal (BSPP/NPSM) Male or Female
Maximum Dry/Wet Lift	6.6 m (21.8 feet)
Air Inlet	G1/4" (BSPP) Female
Fluid Regulator Pilot	Ø4 Tube
Air Volume / cycle @ 6.9Bar/100psi	0.77 L (0.027SCFM)
Air Flow @ 10 cycles/min 6.9 bar/100psi	7.7 L/min (0.27SCFM/min)
Air Flow @ 30 cycles/min 6.9 bar/100psi	23.2 L/min (0.82SCFM/min)
Air Quality ISO 8573.1 Class 3.3.2 #	Dirt 5 microns
	Water -20°C@7bar (940ppm)
	Oil 0.1mg/m ³
	Non Lubricated
Noise Level	68 db LAeq
Earth (Air Inlet Cover)	<1Ω
Weight – Bare Pump	2.2 Kg (4.9 lbs)



DX70R-MM3



DX70N-MM2

The standard pump without fluid regulator can also be used on ceramic glaze applications.

DX70 Bare Pumps Contents and Part Numbers	DX70R-MM3	DX70R-MF3	DX70R-FM3	DX70R-FF3	DX70N-MM2	DX70N-MF2	DX70N-FM2	DX70N-FF2	DX70N-MM1	DX70N-MF1	DX70N-FM1	DX70N-FF1	DX70R-MM	DX70R-MF	DX70R-FM	DX70R-FF	DX70N-MM	DX70N-MF	DX70N-FM	DX70N-FF
DX70 Bare Pump Regulated M/M	●												●							
DX70 Bare Pump Regulated M/F		●												●						
DX70 Bare Pump Regulated F/M			●												●					
DX70 Bare Pump Regulated F/F				●												●				
DX70 Bare Pump No Reg M/M					●				●								●			
DX70 Bare Pump No Reg M/F						●				●								●		
DX70 Bare Pump No Reg F/M							●				●								●	
DX70 Bare Pump No Reg F/F								●				●								●
Air Controls - 3 Regulators	●	●	●	●																
Air Controls - 2 Regulators					●	●	●	●												
Air Controls - 1 Regulators									●	●	●	●								

DIAPHRAGM PUMPS

4 5



DX70R3-CF Cart mounted pump outfit with filter and three air controls.



DX70R3-CFG Cart mounted pump outfit with 6L gravity bucket feed, filter and three air controls.



DX70R3-T Tripod mounted pump outfit with three air controls.



DX70R3-WF Wall mounted pump with paint filter and three air controls (25L Pail not included).



DX70R3-PFA Pail mounted pump with agitator, filter and three air controls (25L Pail not included).

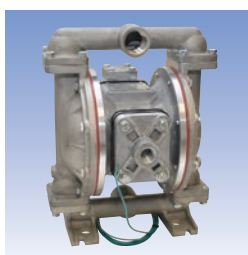
DX70 Ready assembled spray gun outfits. Part no's:

DX70R3-TF-FLG5	Tripod mounted pump outfit with FLG5 gun
DX70R3-CF-FLG5	Cart mounted pump outfit with FLG5 gun
DX70R3-TF-ADV	Tripod mounted pump outfit with Advance gun
DX70R3-CF-ADV	Cart mounted pump outfit with Advance gun

DX70 Pump outfit Contents and Part Numbers	DX70R3-C	DX70R3-CF	DX70N2-C	DX70N2-CF	DX70N1-C	DX70N1-CF	DX70R3-W	DX70R3-WF	DX70N2-W	DX70N2-WF	DX70N1-W	DX70N1-WF	DX70R3-T	DX70R3-TF	DX70N2-T	DX70N2-TF	DX70N1-T	DX70N1-TF	DX70R3-P	DX70R3-PF	DX70N2-P	DX70N2-PF	DX70N1-P	DX70N1-PF	DX70R3-PA	DX70R3-PFA	DX70N2-PA	DX70N2-PFA	DX70R3-CG	DX70R3-CFG	DX70N2-CG	DX70N2-CFG	DX70N1-CG	DX70N1-CFG	DX70R3-WG	DX70R3-WFG	DX70N2-WG	DX70N2-WFG	DX70N1-WG	DX70N1-WFG	DX70R3-TG	DX70R3-TFG	DX70N2-TFG	DX70N1-TFG												
DX70 Bare Pump	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•											
Fluid Regulator	•	•					•	•				•	•					•	•											•	•					•	•																			
Filter Assembly		•						•						•					•																	•																				
Suction Hose Assembly	•	•	•	•	•	•	•	•	•	•	•	•		•				•																		•																				
Air Controls - 3 Regulators	•	•					•	•					•	•					•	•							•									•	•						•	•												
Air Controls - 2 Regulators			•	•					•	•					•	•											•						•	•											•	•										
Air Controls - 1 Regulator					•	•				•	•						•	•							•	•								•	•											•	•									
Pail Mounted																			•	•	•	•	•	•	•	•	•	•																					•	•						
Tripod Mounted													•	•	•	•	•	•																																	•	•				
Cart Mounted	•	•	•	•	•	•			•	•	•	•	•																	•			•	•	•	•	•																			
Wall Mounted							•	•	•	•	•	•																									•	•	•	•	•															
Gravity Feed																														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
Agitator																																																								
			Cart Mounted				Wall Mounted						Tripod Mounted										Pail Mounted								Gravity Cart Mounted						Gravity Wall Mounted						Gravity Tripod Mounted													

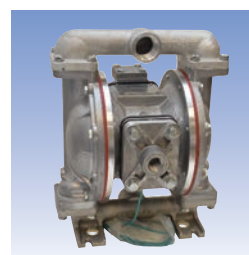
BINKS TRANSFER PUMPS

Available in aluminium and stainless steel this versatile 1" air operated double diaphragm pump is ideal for pumping a variety of waterborne and solvent based coatings including; Adhesives, catalyzed varnishes, paints, resins, stains and solvents.



4 5

Part Number 41-818820
1" Aluminium Body,
Stainless Steel
Balls/Seats, PTFE
Diaphragms



2 4 5

Part Number 41-818822
1" Stainless Steel Body,
Stainless Steel
Balls/Seats, PTFE
Diaphragms

	Air Inlet Pressure Range	Air Inlet Size	Max Fluid Pressure	Fluid Inlet/Outlet	Max Flow Rate	Maximum Suction Lift	Max Particle Size	Max Temperature Limits	Flow @ 60 Cycles/Min	Cycles Per Gallon	Displacement Per Cycle	Noise Level with Muffler	Weights
41-818820 1" Aluminium	0-125 PSI	1/2" NPT	125 PSI (8.6 bar)	1" NPT	45 gpm (170 lpm)	17 ft (5.1 m)	.25" (6 mm)	220° F (104° C)	13.2 gal (50 litres)	4.5	.22 gpm (.84 lpm)	92 dBA MAX	28 lbs (12.7 kg)
41-818822 41-818823 (BSP) 1" Stainless	0-125 PSI	1/2" NPT	125 PSI (8.6 bar)	1" NPT	45 gpm (170 lpm)	17 ft (5.1 m)	.25" (6 mm)	220° F (104° C)	13.2 gal (50 litres)	4.5	.22 gpm (.84 lpm)	92 dBA MAX	43 lbs (19.5 kg)

BINKS DX200
AIR OPERATED 1:1 RATIO DIAPHRAGM PUMPS

DX200 is designed specifically for finishing applications requiring multi-spray gun usage, or while transferring or circulating up to 5 l/pm of high to low viscosity materials.

The DX200 is a high flow rate, air operated 1:1 ratio, double diaphragm circulation or transfer pump specifically developed for the direct supply of paints and materials to spray guns. The pump features a unique “no crease” diaphragm shape for a long and durable working life. Users can opt for the “built-in” fluid regulator which ensures a constant and virtually pulse free fluid delivery, enabling direct connection to spray guns without the expense and complications of an additional fluid regulator or surge chamber.

The DX200 range features bare pumps and a choice of outfits. DX200 is self-priming and perfect for use with ALL TYPES of spray gun technologies including, Conventional, Compliant Trans-Tech®, HVLP, LVLP and low pressure Electrostatic guns.

- Rugged Construction & Universal Material Compatibility. Available in Aluminium and Stainless Steel to handle a wide variety of fluids.
- Non-Stall & Quiet Running. A non-stall air valve and integrated muffler provides smooth, quiet running.
- Extended Service Life & Zero Leakage. Bonded PTFE diaphragm is more flexible, removing mechanical seals or packings, which means an extended service life.
- Consistent Fluid Delivery. Unique “no-crease” diaphragm design and “built-in” fluid regulator ensures a consistent pressure output and significantly reduced pulsation.
- Pumps Shear-Sensitive Materials. Low internal velocities and gentle pumping action does not shear coatings.
- Fast & Easy Servicing. Pump body provides unobstructed access to air valve and diaphragms for fast and easy maintenance without the need to dismount the pump.

DX200 Pump Specification (Bare Pump)

Ratio	1:1
Max Air Pressure	7.0 bar (100 psi)
Max Fluid Pressure	7.0 bar (100 psi)
Nominal Flow Volume / Cycle	0.20 Litres (0.05 US Gall)
Fluid Output @ 60 Cycles/Min	12 l/min (3.17 US Gall/min)
Max Recommended Continuous Cycle Rate	25 Cycles /min
Max Recommended Intermittent Cycle Rate	60 Cycles /min
Inlet Fluid Connection	3/4" BSPP Female
Outlet Fluid Connection DX200A*/DX200S*	3/4" / 1/2" BSPP Female
Maximum Dry/Wet Lift (Head)	4.6m (15.1ft) / 7.5m (24.6ft)
Air Inlet	G 1/4" (BSPP) Female
Fluid Regulator Pilot	Ø4 Tube
Air Volume / cycle @ 6.9Bar/100psi	2.83l (0.1 SCFM)
Air Flow @ 10 cycles / min 6.9Bar/100psi	28.3l (1 SCFM)
Air Flow @ 30 cycles / min 6.9Bar/100psi	84.9l (3 SCFM)
Air Quality ISO 8573.1 Class 3.3.2 #	Dirt 5 microns Water -20°C @ 7Bar (940ppm) Oil 0.1mg/m³ Non Lubricated
Noise Level	71.2 dBA Leq
Weight - Bare Pump	9.5Kg (20.94 lbs)
Pump Body	Aluminium Anodised or St St

DX 200A Parts and Service kits

Part No	Description
DXK-201	Check Valve Seal Kit x 4
DXK-202	Check Valve Kit x 4
DXK-203	Diaphragm Kit x 2
DXK-204	Shaft & Seal kit
DXK-205	End Cap Seal Kit x 2
DXK-206	Caps and screws x 2
DXK-207	End Cap Bolts x 12
DXK-208	End Cap (including DXK-205, end cap seal kit)

**Easy To Use**

Outfits include clearly identified air regulators which can independently control the pump, fluid delivery pressures and spray gun.

Save Costs

The “built-in” fluid regulator can save money compared to competitive products. Low internal pump volumes minimise fluid wastage during flushes.

Mounting Options

Pump outfits include a mounting option and are fitted with a flexible suction wand and suction strainer on the vertical bottom inlet. A rigid suction tube is used when pail mounted. The unregulated model has a vertical top outlet, while the fluid regulated model is a front horizontal outlet.

Easy To Service

The end cap and air valve cover fixings are unobstructed and can be removed with a single tool, enabling pump maintenance to be performed wherever it is located.



Unregulated DX200A provides users with a vertical fluid outlet.



“Built-in” fluid regulator saves money compared with competitive products.



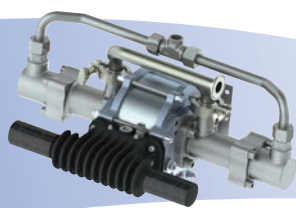
Stainless Steel model with Surge Chamber (for applications where fluid filter will shear fluid). Order DX200SP.



A range of connectors are available to allow connection of the pump inlet/outlet to different system connections.

MAPLE PUMPS

2 4



Maple 7/15



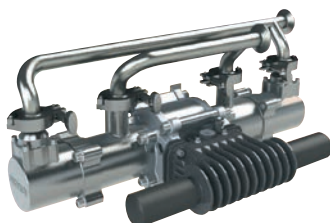
The Maple Pump is our advanced, air operated, horizontal piston pump for automotive and general industrial applications. This range of precision engineered pumps is designed to handle modern shear sensitive solvent and waterborne paints as well as pure solvents and other paint shop materials. The Maple Pump design combines an energy efficient air motor with our low shear fluid section technology providing a smooth consistent flow of material for both automatic and manual spray gun systems.

- Low Ice lubricant free air motor with patented quick exhaust technology removes the risk of valve icing.
- Enclosed Bellows Seals - no exposed seals eliminating shaft packing lubrication and significantly reducing pump maintenance.
- Stainless steel fluid sections, ideal for waterborne, or solvent based paints.
- Tungsten Carbide ball seats and ceramic coated pistons ensure maximum, trouble free operating life.
- Equal thrust on each stroke produces a smooth, even paint flow.
- Control valve metal spool and sleeve for long life, incorporating our patented magnetic detent to eliminate stall conditions.
- Fluid connections guarantee a smooth internal flow and eliminate paint pockets for to ensure a superior finish.
- 5 year pump warranty on materials and workmanship.

Specifications

Model number	Maple 15/3	15/3 AFP 'Easi Flush'	Maple 30/3	Maple 60/3	Maple 7/7	Maple 7/15	Maple 8/25
Part No	104009	104129	104010	104020-M2	104040	104041	104042
Ratio	3:1	3:1	3:1	3:1	7:1	15:1	25:1
Fluid output @ 60 cycles/min	22.5 L/min	22.5 L/min	45 L/min	90 L/min	10 L/min	10 L/min	12 L/min
Max continuous cycle rate	20 cycles /min						
Max intermittent cycle rate	40 cycles /min						
Fluid connections							
Inlet	1" Sanitary	1" Sanitary	1½" Sanitary	1½" Sanitary	1" Sanitary	1" Sanitary	1" Sanitary
Outlet	1" Sanitary	¾" Sanitary	1½" Sanitary	1½" Sanitary	½" NPT Female	½" NPT Female	½" NPT Female
Max air inlet pressure	7 bar (102 psi)						
Compressed air inlet	3/8" BSPP / NPSM	3/8" BSPP / NPSM	3/8" BSPP / NPSM	½" BSPP / NPSM	3/8" BSPP / NPSM	3/8" BSPP / NPSM	½" BSPP / NPSM
Air volume / cycle							
@3.1bar 45psi	4.8 L/min	4.8 L/min	9.5 L/min	19.8 L/min	4.8 L/min	9.5 L/min	19.8 L/min
@6.2bar 90psi	9.3 L/min	9.3 L/min	18.5 L/min	39.7 L/min	9.3 L/min	18.5 L/min	39.7 L/min
Weight	21 kg (46lb)	25 kg (55lb)	35 kg (77lb)	65 kg (143lb)	20 kg (44lb)	30 kg (66lb)	40 kg (88lb)
Service Kits (Part No's)							
Fluid piston seal kit	250625	250714	250608	250632	250653	250653	250653
Fluid sect'n overhaul kit	250626	250715	250619	250633	250655	250655	250654
Air motor seal kit	250627	250627	250618	250634	250695	250657	250656
Control valve kit	250628	250628	250620	250635	250628		

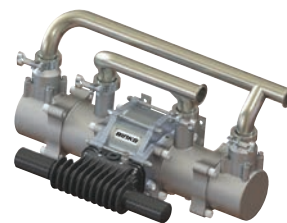
Further technical information can be found in the individual pump service manuals.



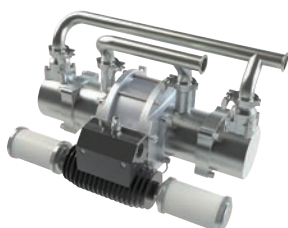
Maple 15/3



Maple 15/3 AFP 'Easi Flush'



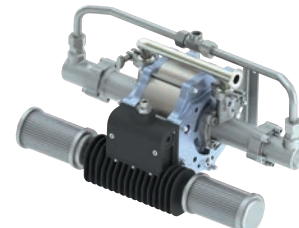
Maple 30/3



Maple 60/3



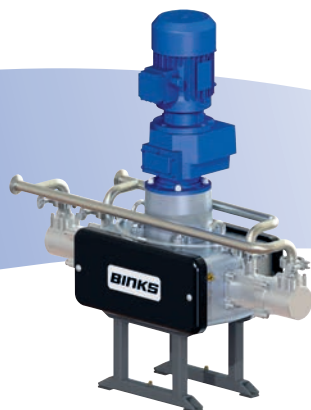
Maple 7/7



Maple 8/25

SMART PUMPS

4



Binks Smart Pumps are respected for their energy efficiency and proven reliability. This is why they are found at the heart of the world's largest Automotive and Industrial paint systems. Our market leading pumps combine digitally controlled AC motors with our patented horizontal reciprocating drive fluid sections. The result is a circulating pump which uses a fraction of the energy of pneumatic pumps, yet still treats modern sheer sensitive paints with kid gloves.

Binks Smart pumps are more efficient than competitor pumps due to their patented design, but when combined with our ground breaking smart system, even higher savings can be obtained. Utilising pressure monitoring and digital control, the Binks Smart System ensures that material is delivered to the point of application only when needed, dramatically reducing energy and paint consumption.

- Significant Energy Savings – Electric drive linked with Smart Control gives significant energy and cost savings over pneumatic pumps
- Patented reciprocating drive with asymmetric CV Cam, minimises pressure fluctuations so no surge chamber required.
- Flow rate control by AC frequency inverter allows fine speed adjustment within a 10 to 40 cycles per minute range
- Long life piston seals and enclosed PTFE shaft bellow seals give longer component working life and minimise maintenance requirements.

Specifications

Smart Pump Model number	E2-15	E2-15 AFP 'Easi Flush'	E2-30	E2-40	E2-60	E4-60
Part No	104017	104125	107071	107093	104085	107070
Max Fluid Pressure	20 bar (290psi)	20 bar (290psi)	20 bar (290psi)	16 bar (232psi)	16 bar (232psi)	20 bar (290psi)
Max Inlet Pressure	2 bar (29psi)	7 bar (100psi)	2 bar (29psi)	2 bar (29psi)	2 bar (29psi)	2 bar (29psi)
Fluid Output						
@ 20Hz (10 cycles/min)	3.75 L/min	3.75 L/min	3.75 L/min	10 L/min	15 L/min	15 L/min
@ 80Hz (40 cycles/min)	15 L/min	15 L/min	15 L/min	40 L/min	60 L/min	60 L/min
Fluid connections	1" Sanitary	1" Sanitary	1" Sanitary	1½" Sanitary	1½" Sanitary	2" Sanitary
Total Pump Weight	78 kg (172 lbs)	80 kg (176 lbs)	250 kg (550 lbs)	250 kg (550 lbs)	295 kg (651 lbs)	350 kg (550 lbs)
Service Kits (Part No's)						
Fluid Piston Seal kit	250625	250714	250608	250621	250686	250601
Wet section overhaul kit	250641	250716	250610	250622	250687	250596
Main bearing overhaul kit	250642	250642	250599	250599	250683	250599

Further technical information can be found in the individual pump service manuals



E2-15



E2-15 AFP 'Easi Flush'



E2-30



E2-40



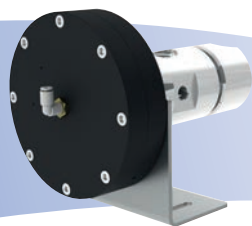
E2-60



E4-60

PILOT CONTROLLED HIGH PRESSURE / BACK PRESSURE REGULATORS

4



Our advanced high pressure and back pressure regulators are designed to handle the pressures required for controlling medium to high viscosity materials used in today's automotive and industrial applications. Typical material applications include High Viscosity PVC, Underseals, sound deadeners, anti-flutter, adhesives and fillers.

- Low Maintenance due to small number of moving parts
- Compatible with solvent based and water based materials
- Pilot Controlled by regulated air supply
- Mounting bracket included

Specifications

Part Number	107906 (High Pressure regulator) 107908 (Back Pressure Regulator)
Working range	35 – 240 bar
Air Pilot range	0.7 – 5.5 bar
Connections	Inlet port ¾" NPT Outlet port ¾" NPT Gauge Port ¼" NPT
Weight	6.8 kg

1 ½" AND ¾" PILOT CONTROLLED AND MANUAL PRESSURE REGULATORS

4



¾"



1 ½"

Binks pressure regulators responds to the changes in system fluid pressure by dynamically adjusting so as to maintain the set pressure. They minimise paint shear through their large internal surface area and critically designed valve seatings. Binks pressure regulators are available in automatic (air pilot regulated) and manual adjustment models.

- Low Shear Back Pressure Regulators
- Reduced paint velocity through valve seat
- Two gauge port allows for flexible mounting
- Interchangeable connections inc:
 - M45 x 2" Sanitary, M45 x 1 ½" Sanitary, M45 x 1" Sanitary
 - M28 x 1" Sanitary, M28, ¾" NPT (female), M28 x ¾" BSPT (female)

Specifications

Part Numbers	107755 (1 ½" Air Pilot) 107754 (1 ½" Manual) 107758 (¾" Air Pilot) 107757 (¾" Manual)
Working range	1 – 15 bar - 10 – 19 L/min (Air Pilot) 3 – 15 bar - 10 – 19 L/min (Manual)
Max Pressure	25 bar
Construction Materials – Body	303 grade Stainless Steel
Diaphragm	PTFE composite

CARTRIDGE FILTERS

4



The Binks range of cartridge filters remove dirt and paint clots from paint systems using a choice of disposable or cleanable filters elements. They allow the rapid replacement of the elements with their "fixed in place" clamp design. The housing also provides an integral pressure gauge port to allow for the measurement of differential fluid pressure.

- Provides absolute rated filtration at 99.98% performance
- Housing constructed of 316 grade Stainless Steel, electro plated for ease of cleaning
- Accommodates industry standard DOE or Code 3 filter elements
- Range of sizes to accommodate different capacity paint circulating systems.

Part Number	Description
107874	5" Cartridge Filter Housing - 1" BSP Connections
107875	5" Cartridge Filter Housing - 1" Sanitary Connections
107871	10" Cartridge Filter Housing - 1" BSP Connections
107870	10" Cartridge Filter Housing - 1" Sanitary Connections
107868	10" Cartridge Filter Housing – 1 ½" Sanitary Connections
107873	20" Cartridge Filter Housing – 1" Sanitary Connections
107869	20" Cartridge Filter Housing – 1 ½" Sanitary Connections



PRESSURE RELIEF VALVES

4

The Binks mechanical pressure relief valve offers protection against damage from system overpressure. Our mechanical relief valves can be easily installed directly on the pump outlet manifold and if triggered will relieve paint system pressure by diverting flow back into the mix tank.

- Stainless steel construction.
- Standard Sanitary & hose connections.
- Ideal for quick installation to pump outlet
- 9 versions available for attachment to Binks range of pumps
- Minimal 'dead' area in paint flow line.

Specifications

Part Number	PRV22-U-10	1" Sanitary ¾" Hose Outlet
	PRV22-U-15	1½" Sanitary ¾" Hose Outlet
	PRV22-U-20	2" Sanitary ¾" Hose Outlet
	PRV22-S-10	1" Sanitary 1" Sanitary Outlet
	PRV22-S-15	1½" Sanitary 1" Sanitary Outlet
	PRV22-S-20	2" Sanitary 1" Sanitary Outlet
	PRV22-N-10	1" Sanitary ¾" NPT(F) Outlet
	PRV22-N-15	1½" Sanitary ¾" NPT(F) Outlet
	PRV22-N-20	2" Sanitary ¾" NPT(F) Outlet
Relief Port Connection	¾" Hose Connector 1" Sanitary ¾" NPT(F)	
Initial Activation Pressure	22 Bar (320 psi)	
Full Activation Pressure	24 Bar (350 psi)	

SURGE ELIMINATORS

4

Surge Eliminators eliminate the pressure fluctuation produced by reciprocating pumps on changeover. The units consist of a lower fluid and upper air chamber separated by a flexible moulded composite

diaphragm which absorbs the fluctuations and eliminates the paint surge, ensuring a smooth flow of paint to the applicator.



ACTIVE FLUSHABLE SURGE ELIMINATOR

4

The Active surge eliminator features an active air pilot valve which dynamically changes air pressure to automatically equal fluid pressure, thus eliminating manual compressed air charging.

- Flushable fluid chamber
- Fluid connection options available.
- Direct mounting to the paint pump.

Specifications

Part Number	104050-X		
Maximum Fluid Pressure	16 Bar (232 psi)		
Air Connection	1/8"		
Fluid Connection Fittings	Suffix	Part no	Description
	(X)		
	A	192553	Fitting - M45 x Slip Flange Assembly
	B	192554	Fitting - M45 x 2" Sanitary
	C	192555	Fitting - M45 x 1½" Sanitary
	D	192556	Fitting - M45 x 1½" NPT (Female)
	E	192557	Fitting - M45 x 1½" BSPT (Female)
	F	192558	Fitting - M45 x 42 MM Compression Coupling
	G	192559	Fitting - M45 x 1¼" BSP (H)
	H	192560	Fitting - M45 x 1½" BSP (H)
	L	192564	Fitting - M45 x 1" Sanitary

STANDARD AND STANDARD FLUSHABLE SURGE ELIMINATORS

4

Standard Surge Eliminators utilise a manually set charge of compressed air to set the required fluid pressure compensation level. The fluid chamber can

either be supplied with a conventional bottom entry connection or with a flushable flow through design.



Specifications

Part Number	104052-X		
Maximum Fluid Pressure	16 Bar (232 psi)		
Air Connection	1/4"		
Fluid Connection Fittings	Suffix	Part no	Description
	(X)		
	S	192723	Fitting - 1" Sanitary
	T	192724	Fitting - ¾" NPT (Female)
	U	192725	Fitting - ¾" BSPT (Female)





BINKS RAM UNITS

Binks Ram Units offer a rugged, reliable and high performance solution for the delivery of medium and high viscosity materials in both stand-alone and system applications. They incorporate the Binks MX range of high pressure piston pumps giving proven durability, reliability and performance.

Binks Ram Units provide the ideal delivery solution for materials such as lubricants, mastics adhesives, epoxies and sealants. Binks Ram Units can be customised to suit all application needs. The Ram follower plates are designed to fit the widest range of industry standard containers and a range of 32 (ball or chop-check) pumps can be specified to suit the material viscosity and flow rate.

- Units to suit industry standard 20, 30, 60, 120 and 205 litre containers.
- Dual Seal follower plates and stainless steel pump fluid sections as standard
- Incorporate Binks highly respected MX High Pressure pumps
- 2.5, 5, 8.3, and 22.6 KN downforce standard models available
- 1000 Litre Ram units available on custom order
- 5 year warranty on manufacturer defects.



Specification	
Maximum Working Air Pressure	
6 bar / 87psi (SR, DR & DRi), 7 bar / 101psi (DRX)	
Air Inlet	
½" BSP F	
Ram Stroke	SR20
	410mm / 16"
	DR & DRi 20,30,60
	688mm / 27"
DR, DRi & DRX 120, 205	
960mm / 37.8"	
Unit Height – Fully extended	
SR20	
1242mm / 49"	
DR & DRi 20,30,60	
1750 / 69"	
DR, DRi & DRX 120, 205	
2550mm / 100"	
Pump inlet valve types	
Ball check	
Chop check (shovel plate)	
Pump rod material types	
Nitrided carbon steel	
Ceramic coated stainless steel	



Ram Unit Pump Outfit Options

Equip your Ram Unit from our extensive range of durable, hard-working MX Pumps. (See back page for pump fluid output and pressure ratings)

Example Model Number

RAM SECTION **PUMP SECTION**

DR 30 E -MX 115 68 PU - S M X = 30l Dual Post Ram with MX11568 Chop Check pump

RAM TYPE
Single post (SR), Dual post (DR) and extreme duty (DRX)

DRUM VOLUME (Litre)
20, 30, 60, 205.

FOLLOWER PLATE SEAL MATERIAL
EDPM (E) or Polyurethane (P)

PUMP FLUID OUTPUT / CYCLE (cc/cycle)
68, 115, 122, 190, 200, 220, 420, 440, 860, 880.

INLET VALVE TYPE
Ball-Check (B) or Chop-Check (X)

PACKING ADJUSTMENT
Manual (M) only

PUMP ROD MATERIAL
Nitrided Carbon Steel (C) or Ceramic Coated Stainless (S) Steel

PUMP PACKING MATERIAL
PTFE & UHMWPE (PU)

PUMP RATIO
Ball Check Pumps
15:1, 18:1, 22:1, 23:1, 30:1, 35:1, 41:1, 46:1, 60:1
Chop Check Pumps
5:1, 12:1, 18:1, 23:1, 24:1, 30:1, 33:1, 39:1, 43:1, 46:1, 66:1, 68:1.



ELECTRONIC 2K PLURAL COMPONENT PAINT MIXING MACHINES

BINKS GEMS

2K ELECTRONIC MIXING SOLUTION

GEMS™ 2 4
Global Electronic
Mix Solutions



GEMS is the easy to operate 2K mixing solution that audits your paint resin and solvent usage while helping to reduce your solvent waste for up to 5 colours and 2 spray guns.

- Operator Friendly Colour Screen
- Gather Auditing & Reporting Data
- Programmable Flush To Reduce Wastage
- Accurate Proportioning 1:1 up to 100:1
- Single or Multi-Colour

Binks GEMS delivers efficiency and convenience to meet real-world production schedules. Sturdy construction, quality components, ergonomic design, and powerful software make this the workhorse that will keep up with demanding projects.

GEMS is operated through a large 7" touchscreen with

readily identifiable icons to provide real time information such as Flow Rate, Pot Life, Current Mix Ratio and Current Colour. Onscreen help is designed to assist operators with fault troubleshooting rather than just meaningless alarm codes.

GEMS' data capture capabilities provide insights into your daily spraying process and audit your paint resin and solvent usage. GEMS is capable of storing data for distinct production jobs, recording spraying times, colour change information and A / B material and solvent usage.

GEMS will support low pressure applications up to 5 colours and can be configured for use with 2 spray guns.

The precise dosing will always ensure a perfect paint mix and finish.

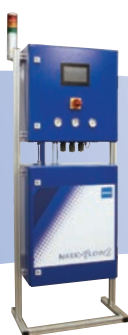


Specification	
Maximum Working Air Pressure	7 bar (105 psi)
Optimal Working Air Pressure	5.2 - 7 bar (75-105 psi)
Max Inlet Fluid Pressure	17.2 bar (250 psi)
Max Dispense Pump Flow Rate	300 or 600 cc/min
Min Dispense Pump Flow Rate	2 or 20 cc/min
"A" Side Flowmeter Range	40-1900 cc/min
Operating Temperature Range	5-50°C (41-122°F)
System Weight	59-68kg (130-150lbs)
Viscosity Range of Fluid	20-3000 cPs
Mixing Ratio Range	1:1 - 100:1
Ratio Tolerance Range	Up to +/- 1%
Wetted Parts	300 series stainless steel, PTFE, perfluoroelastomer, UHMW polyethylene
External Power Requirements	100-240 VAC, 50-60Hz. 1.4 Amp, 16 AWG power supply wire gauge
Environmental	Indoor use, pollution degree (2)

MAGIC-FLOW 2

UNIVERSAL ELECTRONIC MIXING SOLUTION

MAGIC-FLOW 2 2 4



Magic-Flow 2 is a versatile and flexible mixing solution designed to accommodate many low pressure or high pressure applications. It supports a range of optional, functionality-enhancing modules to provide 2, 3 or 4K component mixing of a maximum of 29 colours with up to 4 spray guns.

- Operator Friendly 7" Colour Touch Screen
- Low or High Pressure mixing from 0.5:1 up to 50:1
- Suitable for Solvent and Water based Paints up to 29 Colours
- Programmable Recipes' & Flush Sequences
- Essential Reporting Data including VOC Calculation

Binks Magic-Flow 2 turns complicated and time consuming mixing operations into highly precise, 'select and spray' operations. It guides machine operators through daily

spraying tasks using colour icons, selectable paint recipes, pre-set flush sequences and by monitoring paint tank levels. Use Magic-Flow 2's data capturing capabilities to monitor essential information such as paint consumption, flow rates, actual mix ratios, spray times and alarm events. Collect and monitor data through the standard Ethernet interface or view report information onscreen. Ensure you remain under your VOC emissions threshold using the built-in VOC calculator. Customise Magic-Flow 2 for your solvent or water based paint application with additional modules that include robot communications, control of up to 16 agitators, remote control for in-booth operation, stack lights and Coriolis mass flow meters for non-contact measurement.

From plastic coatings to heavy corrosion protection, from manual spray applications to automated robots, Binks Magic-Flow 2 can deliver.

Specification	
Suitable for	Solvent and water based paint
Mixing Ratio range	0.5:1 – 50:1
Mixing Accuracy	Up to +/- 1%
Optimal Working Air Pressure	6 – 8 Bar
Flow Rate	50 – 2000 ml/min
Working Temperature	10 - 70°C
Pressure Range	1 – 250 Bar (1 – 450 Bar Optional)
Viscosity	20 – 100cPs
Wetted Parts	Stainless Steel, PTFE, Polyamide
Material Valves	32 max e.g. 29 Colours, 2 Solvents, 1 Hardener
Options	Multi-Gun, ATEX, Coriolis Mass Flow Meters, Robot Communications, Agitator Control, Remote Control, Printer Port, Atomising Air Switch Off

PRESSURE FEED CONTAINERS

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.

- 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.

4 5



Stainless Steel Wetted Parts (10 litres)

Stainless steel passageways for solvent and waterborne materials.

2 4 5



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

For waterborne and solvent based materials.

2 4 5



Galvanised Carbon Steel (40 litres)

For solvent based materials.

4 5



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

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 bar	(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	Direct Drive Rotary Agitation	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	Manual	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	Manual	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 6CFM @ 50RPM.

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



Agitator type D



Agitator type I



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.



Binks drive unit for 205 litre (55 gallon) drums

Model 31-401-1 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



Binks indirect air motor drive for drum mounting QS-501-1-CE

- Indirect geared air motor drive, oil less design
- Fully approved to ATEX
- Up to 60 RPM
- Stainless steel material, wetted parts
- 20:1 ratio.

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.

PRESSURE FEED CUPS

2 4



Part no: KB-622 Aluminium inc. hoses
Part no: KB-522-SS Stainless Steel
(no hoses)

KB11

2.3 LITRE REMOTE CUP STANDARD – ALUMINIUM & ST ST

Light weight, portable and easy to use

- 2.3 Litre capacity - greater area coverage, less refills
- Complete gun manoeuvrability at any angle
- Suitable for most Conventional or Compliant pressure/suction guns
- Stable, wide, reinforced base and fast, spin ring lid system
- **Aluminium or Stainless Steel** options (for waterbased materials)
- Familiar gun grip handle plus belt hook for operator convenience
- At-the-job controls with lid mounted pressure gauge
- Available complete with short cup to gun air and fluid hoses.

The KB11 is a versatile pressure fed cup designed to give complete freedom of movement for the spray gun and the operator. Suitable for use with either conventional or compliant/HVLP pressure fed spray guns the cup can handle wide variety of paints and coating materials. Its generous 2.3 litre capacity dramatically reduces the need for constant cup refills. Using a remote cup means that the spray gun is lighter and can even be used upside down with total manoeuvrability in hard to reach areas.

Air inlet and outlet connections threads	1/4" BSP(M)
Fluid outlet connection (to Spray Gun)	3/8" BSP(M)
Capacity	2.3 Litres (2 Quart)
Weight (less hoses and paint)	1.76 kg
Maximum working pressure	2 bar (30 psi)

4 5



Standard Cup Part no: 80-600
Agitated Version Part no: 80-601

STEADI-GRIP

2.3 LITRE / 2 QUART PRESSURE CUP

Light weight, portable and easy to use

- 2 Quart/2.3 litre capacity - greater area coverage, less refills
- Complete gun manoeuvrability at any angle
- Suitable for most Conventional or Compliant pressure/suction guns
- Large "wide mouth" opening enables rapid filling and easy cleaning
- Cup features four lid clamps for quick and easy access
- Comfortable gun handle shaped carrying handle and belt hook for operator convenience
- Separate air control regulator and lid mounted pressure gauge
- Anodised bright dipped Aluminium cup and "Silverstone" coating on lid interior and exterior.

The Steadi-Grip is the most advanced pressure fed cup from Binks designed to give complete freedom of movement for the Spray Gun and the operator, in particular those working on production finishing lines. Conventional or Compliant/HVLP pressure fed Spray Guns can be used with Steadi-Grip and it is suitable for use with a wide variety of paints, enamels and other coating materials. Its 2 Quart/2.3 litre capacity dramatically reduces the need for constant cup refills. Using a remote cup means that the Spray Gun is lighter and can even be used upside down with total manoeuvrability in hard to reach areas.

Air inlet and outlet connections threads	1/4" NPS(M)
Fluid outlet connection (to spray gun)	3/8" NPS(M)
Capacity	2.3 Litres (2 Quart)
Weight (less hoses and paint)	4 lbs 13 oz
Maximum working pressure	3.5 bar (50 psi)

AIR OPERATED ROTARY AGITATORS AND MIXERS

4 5

Designed for a wide variety of industrial and automotive applications. The agitators ensure paints and fluids are agitated precisely to keep paint solids in suspension and maintain optimum finishing characteristics. Binks agitators are suitable for a wide

range of viscosities and paint material types including solvent based, waterborne and many other fluids.

Note: Binks recommend the use of an air oil lubricator with these air driven agitators.

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 41-718810

- Cover for open-top container
- Used for 25 litre (5-gallon) container
- Shipping Wt: 2.75 kg (5½ lbs)
- With inspection port and agitator hole.



Part no: 41-3312

Model Number	41-3312	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 (3⅛ in)	79mm (3⅛ in)
Shaft Speed	To 3000 RPM	To 3000 RPM
Air Drive Type	Direct (HP:¼) (CFM:10-14)	Direct (HP:¼) (CFM:10-14)
Shipping Weight	6 kg (12 lbs)	16.6 kg (33 lbs)
Part Sheet Reference	77-1474	—

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

4 5

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

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

Part no: QS-574-H

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

4 5

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	130 mm (5⅛ in) (SS)
Shaft Speed	To 1000 RPM
Air Drive	Type: Direct / HP: ¼ / CFM:10-14
Shipping Weight	6 kg (12 lbs)
Part Sheet Reference	77-1390

Hand Held Quick Mixers

For 25/50L and 200L containers.

4 5

Part No.	Description
149-873	Variable speed, 1 propeller, 127 mm diameter, shaft and propeller SS (shaft length 533 mm)
149-874	Variable speed, 1 propeller, 127 mm diameter, shaft and propeller SS (shaft length 1,016 mm)

Note: These quick mixers are suitable for non ATEX areas only.

Part no: 149-873

AIR OPERATED ROTARY AGITATORS, MIXERS AND ELEVATORS 4 5

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.

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

Note: Refer to the Agitator Service Bulletin for specific application details.

Electrically Driven Paint Agitator

The electrically driven agitators provide sufficient torque to drive paddle assemblies for the agitation of the modern Solventborne and Waterborne paints used in today's automotive industry. A range of paddle sizes and shaft lengths are available to accommodate the different diameters and heights of available paint tanks.

- AC Inverter control option
- Variable speed range
- Integral Shaft Seal
- Incorporation of Tank Lid Seal
- Integral flinger and drain pocket to prevent possibility of gearbox oil contamination.

Specification

Part Number	106946 AC Inverter
Paddle Speed range	47 – 190 rpm
Electric Motor	400v – 3ph – 50Hz 0.37kW Motor Eexd II 2 G T4 IP66 Atex
Shaft Seal	PTFE
Mounting Boss	Ø160 with 4 – holes Ø9 on 140 PCD

Pneumatic Elevators 4 5

The new Binks elevators are driven by an easy to operate pneumatic actuator, enabling the changing of drums with a minimum of inconvenience. Both models feature an anti-twist mechanism, sturdy construction and are designed for use with both solvent-based and waterborne materials.

- Simple compressed air operation
- Speed control possible in both directions
- Elevator can be set at any height within its stroke and will not drop from that point
- ATEX approved & marked for use in Zones 1 and 2

Specification

Part Number	Binks 25L Elevator 104153	Binks 205L Elevator 104112
Max working air pressure	7 Bar (101 psi)	7 Bar (101 psi)
Air Inlet	1/4" BSP female	1/4" BSP female
Stroke	500mm / 19.7"	955mm / 37.6"
Maximum Drum Size	Ø340mm	Ø640mm
Unit height (fully extended)	1380mm / 54"	2270mm / 89"
Weight	45.5Kg / 100lbs	64Kg / 140lbs

BINKS FLUID REGULATORS

2 4



Part no: HGBR-609

A complete range for all applications.

- Highly accurate pressure settings with no pressure "creep"
- Minimum setting pressure below 0.25 bar (3.75 psi)
- Regulator body design reduces paint wastage during maintenance
- Fast disassembly and cleaning
- Fluid passages in 303 Stainless Steel as standard
- Compatible with solvent and waterborne paints and materials
- Manual or Automatic control
- Consistent fluid pressures maintained without fluctuation.

Designed and developed for use in the latest high-tech paint shops our range of Diaphragm Fluid Pressure Regulators are precision made to provide extreme accuracy of the fluid as it arrives at the Spray Gun and/or Applicator. The Binks fluid regulators with either manual or automatic control can be utilised with Diaphragm Pumps, Pressure Feed Tanks or any size of Paint Circulating System.

Note: For ceramic applications contact Finishing Brands

Type Model	Specification	Manual adjustment	Automatic Pneumatic adjustment	Inlet pressure mini/maxi bar (psi)	Outlet pressure mini/maxi bar (psi)	Fluid Flow maximum l/min	Fluid Inlet fitting	Fluid Outlet fitting
	Part number							
In line Regulator	HGB-509-5-R38 (no gauge)	■		2 (29)/12.5 (181)	1 (14)/5 (72)	13	3/8 NPS	3/8 NPS
with gauge 1.2 Bar	HGB-609-1.2-R38	■		1 (14)/8 (116)	0.15 (2)/1.2 (17)	8.3	3/8 NPS	3/8 NPS
with gauge 5 Bar	HGB-609-5-R38	■		2 (29)/12.5 (181)	1 (14)/5 (72)	13	3/8 NPS	3/8 NPS
with gauge 9 Bar	HGB-609-9-R38	■		3/15 (217)	3 (43)/9 (130)	13	3/8 NPS	3/8 NPS
	HGB-510-R1		■	2 (29)/15 (217)	0.5 (7)/15 (217)	1.6	F 1/4 BSP	F 1/4 BSP
	HGB-510-R2		■	1 (14)/15 (217)	0.15 (2)/7	13	F 1/4 BSP	F 1/4 BSP
	HGB-510-R4		■	1 (14)/15 (217)	0.15 (2)/4	6.8	F 1/4 BSP	F 1/4 BSP
	84-598		■	2 (29)/15 (217)	0.5 (7)/15 (217)			
Gun Mounted Regulator	HGS-5132		■	3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/8 NPT	3/8 NPS
	HGS-5112		■	3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/4 NPS	3/8 NPS
	HGS-5211	■		3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/4 NPS	Bayonet
	HGS-5222	■		3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	3/8 NPS	3/8 NPS
	HGS-5212	■		3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/4 NPS	3/8 NPS
Back Pressure Valves	84-404	■		0.7 (10)/9.8 (142)	0.7 (10)/9.8 (142)	42	3/4 NPT (F)	3/4 NPT (F)
	HGBR-609	■		2 (29)/12.5 (181)	0.9 (130)	18	1/4 NPS/BSP	1/4 NPS/BSP
	84-601	■		9 (130)		3.8	1/2 NPT	1/2 NPT
HP in line regulator	84-420	■		206 (2987)	20.6 (298)/137.8 (1998)	3.8	1/4 NPT	1/4 NPT



Part no: HGS-5222



Part no: 84-404



Part no: HGB-510-R1



Part no: 84-420



Part no: HGB-509-5-R38

AIR AND FLUID HOSES AND CONNECTORS (LOW PRESSURE)

4 5



Purpose made hoses and connectors for the spray industry with conductive outer cover.

Binks, DeVilbiss and Ransburg hoses and connectors are purpose made for the spray finishing industry. The use of the best and most dependable air and fluid hoses are vital to all finishing facilities to maintain optimum production levels with the minimum of maintenance downtime. By choosing Binks, DeVilbiss and Ransburg hoses and connectors you are assuring that your spray application equipment receives air and fluids in the best possible condition at the specified pressures and volumes.

Binks, DeVilbiss and Ransburg hoses and connectors are manufactured to the highest quality to maintain engineering tolerances for maximum performance, durability and working life.

- Suitable for all low pressure finishing applications
- Approved for most spray fluids
- Hoses include a conductive outer cover to comply with European ATEX & CE legislation
- Smooth outer cover ensures easy cleaning
- Flexible and manoeuvrable for decreased operator fatigue
- Hoses have excellent chemical compatibility
- Three piece reusable hose connectors (brass plated)
- Air & Fluid hose available per metre or delivered on 150m hose reels.
- Wide range of BSP & NPS threaded connectors.



150m hose reels are available.

Choose hoses and connector part numbers from this specification chart:

Hose Pt No.	Description	Type	Bore size mm	Hose cover	Inner bore	Conductive	ATEX/CE	Max Working Pressure
H-7501	5/16" Bore AIR HOSE Red rubber	AIR	8	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7502	3/8" Bore AIR HOSE Red Rubber	AIR	9.5	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7503	1/4" Bore FLUID HOSE Black	FLUID	6	Nitrile	Nylon	✓	✓	34 bar (500 psi)
H-7504	3/8" Bore FLUID HOSE Black	FLUID	9.5	Nitrile	Nylon	✓	✓	34 bar (500 psi)
H-7501-150M	5/16" Bore Air Red Rubber (150M reel)	AIR (BULK)	8	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7502-150M	3/8" Bore Air Red Rubber (150M reel)	AIR (BULK)	9.5	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7503-150M	1/4" Bore Fluid Black (150M reel)	FLUID (BULK)	6	Nitrile	Nylon	✓	✓	34 bar (500 psi)
H-7504-150M	3/8" Bore Fluid Black (150M reel)	FLUID (BULK)	9.5	Nitrile	Nylon	✓	✓	34 bar (500 psi)

EPDM is (Ethylene Propylene Diene Monomer) rubber

3 piece Re-usable Connections

Part no.	Bore	Connector
PA-HC-4523	1/4" (6 mm)	1/4" BSP
PA-HC-4527	5/16" (8 mm)	1/4" BSP
PA-HC-4528	3/8" (9.5 mm)	1/4" BSP
PA-HC-4543	1/4" (6 mm)	3/8" BSP
PA-HC-4548	3/8" (9.5 mm)	3/8" BSP
P-HC-4523	1/4" (6 mm)	1/4" NPS
P-HC-4527	5/16" (8 mm)	1/4" NPS
P-HC-4528	3/8" (9.5 mm)	3/8" NPS
P-HC-4543	1/4" (6 mm)	3/8" NPS
P-HC-4548	3/8" (9.5 mm)	3/8" NPS

High Pressure Hose Assemblies (Airless)

Hose connectors: 1/4" NPS			
Length	Bore	Pressure max.	Part no.
1m	3/16"	350 bar	H-5811
7.5m	3/16"	350 bar	H-5813
7.5m	1/4"	310 bar	H-5818



The above connectors are three piece re-usable (Plated brass)



QUICK DETACH FITTINGS

4

DeVilbiss Part no's (air)

MPV-5	Male Quick detach stem with 1/4" female fitting (fits Spray Gun inlets)
MPV-424	Female quick detach connection with 1/4" male fitting (fits hose ends)
MPV-10	Male quick detach stem with 1/4" female fitting
MPV-462	Female quick detach with 1/4" female fitting (fits filter regulator valves)
MPV-463	Economy pack includes 1 of each of the 4 shown above

DeVilbiss Part no's (fluid)

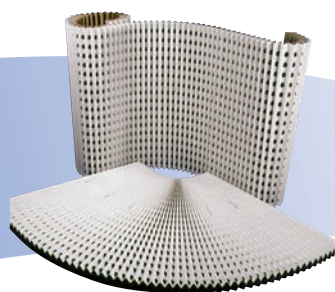
PA-HC-4482	Quick detach system - 3/8" BSP - Fluid
QDL-4808	QD Connection - Fluid
SSQD-6B-316	QD Connection SR 3/8" Male
SS-STEM-6B-316	QD Stem 3/8" Female

Binks Part no's (fluid)

19 07 61	QD body assembly (hose end)
20 11 20	QD stem assembly (gun end) Stainless Steel

Purpose made for a long and reliable life cycle

- Total convenience for air and fluid, quick detach reliable self-sealing
- High flow air connections - minimum pressure drop
- Ideal for all types of Spray Guns, Conventional, Compliant and HVLP
- Use them on Respirators, Hoses and Filter Regulators
- Four types available separately or in a set
- Fluid QDs made from Stainless Steel.



Standard Filter Paper

BINKS DISPOSABLE STANDARD SPRAYBOOTH FILTER PAPER

4 5

- Up to 98% filtration efficiency
- Outlasts other filters three to five times
- High loading capacity - longer working life - low pressure drop
- Expansion strapping ensures correct spacing of filter corrugations
- Filter marked at every foot for ease of cutting
- Concertina design reduces storage and transportation costs
- "Four face filtration"
- Bright white spray face - improves spraybooth lighting conditions.
- Stapled construction for strength and longer life
- Made at the Binks factory in Scotland

Binks disposable paper filter consists of 2 sheets of heavy cardboard paper formed into double accordion type folds with staggered holes to provide a highly efficient filter. Paint laden air is drawn into the filter by the Spray Booth fan and is forced to change direction four times causing particulate to adhere to the surfaces of the filter before exhausting to atmosphere. The large air openings in the filter allow high volumes of air to be exhausted without loss of efficiency as the media 'loads', resulting in a much longer life than other filter systems.

Standard Filter Paper Technical Specification

Filter Construction	Self supporting, two ply high strength cardboard paper. Bright white finish.
Air Flow Rates	100-200 feet per minute (0.5 - 1.0 metres per second) Normal 140 fpm (0.7 ms)
Pressure Differential	Initial @ 0.75 M/S = 30 PA (0.12" SWG) MAXIMUM 130-250 PA (0.52"-1.0" SWG)
Temperature Range	MAXIMUM 180°C (356°F)
Expansion Limiter	Expansion limiting straps ensure correct pleat guaranteeing optimum density of 8 corrugations per running foot (30.4cm)

Part no: 20 72 29

Surface Area	10 sq yds
Filter Size Per Box	H90 x L924cm (H36" x L30ft)
Weight Per Box	10.5 kg (23lbs)

Part no: 20 79 00

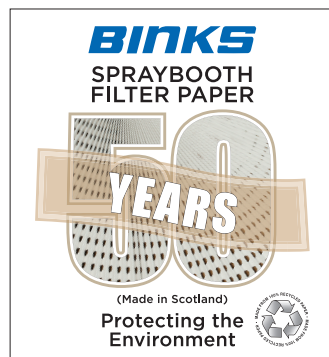
Surface Area	10 sq mtrs
Filter Size Per Box	H75 x L1346cm (H30" x L44ft)
Weight Per Box	12.6kg (28lbs)

Part no: 20 79 01

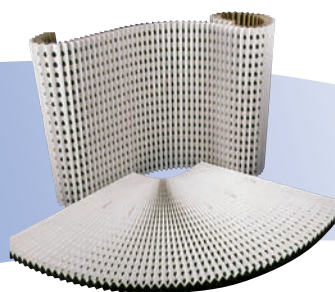
Surface Area	10 sq mtrs
Filter Size Per Box	H90 x L1115cm (H36" x L36ft)
Weight Per Box	12.6kg (28lbs)

Part no: 20 79 02

Surface Area	10 sq mtrs
Filter Size Per Box	H100 x L1038cm (H39" x L34ft)
Weight Per Box	12.6kg (28lbs)



SPRAY BOOTH FILTER PAPER



ECO Filter Paper

BINKS ECO SPRAYBOOTH FILTER PAPER

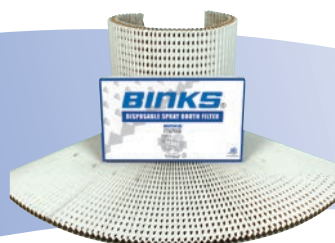
4 5

2 layers of bright white paper, punched, pleated, fitted with expansion straps, then stapled together. For superior strength and longer working life.

Part No	Description	Surface Area	Filter Size Imperial	Filter Size Metric (cms)
207229EF	Eco Filter	10 sq yds	H 36" x L 30'	H 90 x L 924
207900EF	Eco Filter	10 sq mtrs	H 30" x L 44'	H 75 x L 1346
207901EF	Eco Filter	10 sq mtrs	H 36" x L 36'	H 90 x L 1115
207902EF	Eco Filter	10 sq mtrs	H 39" x L 34'	H 100 x L 1038

ECO Filter Paper Technical Specification

Filter Construction	Self supporting, two ply high strength cardboard paper. Bright white finish.
Air Flow Rates	100-200 feet per minute (0.5 - 1.0 metres per second) Normal 140 fpm (0.7 ms)
Pressure Differential	Initial @ 0.75 M/S = 30 PA (0.12" SWG) MAXIMUM 130-250 PA (0.52"-1.0" SWG)
Temperature Range	MAXIMUM 180°C (356°F)
Expansion Limiter	Expansion limiting straps ensure correct pleat guaranteeing optimum density of 8 corrugations per running foot (30.4cm)



SUPER Filter Paper

BINKS SUPER FILTER – SUPER EFFICIENCY SPRAY BOOTH FILTER PAPER

4 5

- Super Filter – Outlasts other filters
- Four Face Filter Technique PLUS additional "Final Stage" polyester filter
- Superior Construction – Glued and Stapled
- Over 99% filtration efficiency
- High Loading Capacity – Longer Working Life – Low pressure drop
- Fits ALL types of dry filter Spray Booths
- Expansion strapping – Ensures correct spacing of filter corrugations
- Moisture resistant and Self Supporting
- Concertina design – Reduces storage and transportation costs.

Binks Super Filter is constructed from two sheets of heavy duty cardboard paper and formed into double "accordion" type folds, stapled, glued and backed with a high efficiency polyester media, which dramatically increases the filter efficiency and "loading capacity".

Super Efficiency Filter Paper Technical Specification

Filter Construction	Self supporting, 2 ply high strength cardboard paper. Bright white finish
Air Flow Rates	0.5-1.0 metres per second (100-200 feet per minute) Normal 0.7 m/s (140 FPM)
Pressure Differential	Initial @ 0.75 m/s = 30 Pa (0.12" SWG) Maximum 130-250 Pa (0.52"-1.0" SWG)
Temperature Range	MAXIMUM 100° C
Expansion Limiter	Expansion limiting straps ensure correct pleat
(Guarantees optimum performance)	Density of 8 corrugations per running foot (30.4 cm)

Part no: 20 72 29 SE

Surface Area	5.4 sq mtrs
Filter Size Per Box	H90 x L600 cm
Weight Per Box	8.05 kg (inc. box)

Part no: 20 79 02 SEF

Surface Area	8 sq mtrs
Filter Size Per Box	H100 x L800 cm
Weight Per Box	10.26 kg (inc. box)

