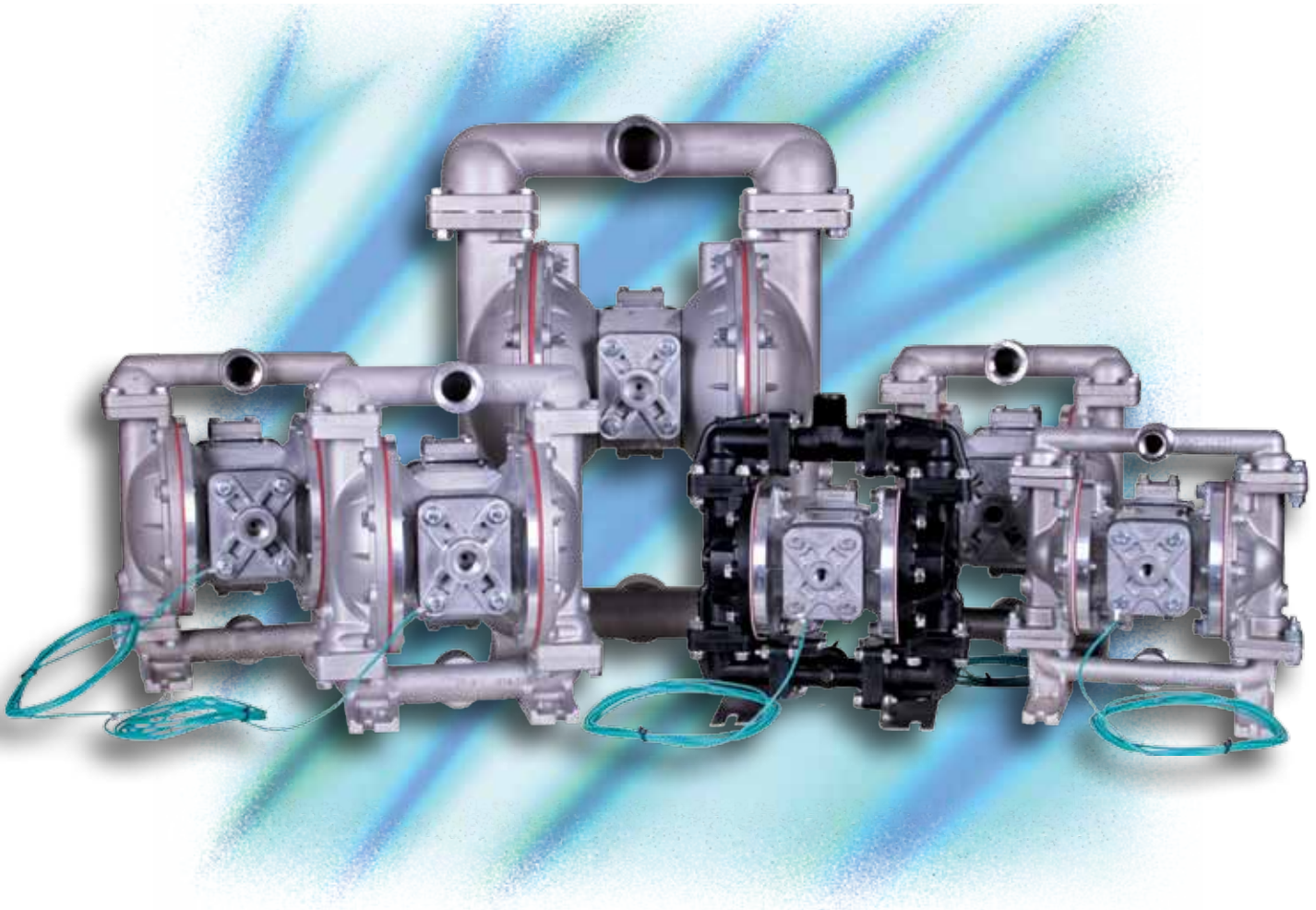


New Gemini™ II Series
Double Diaphragm Pumps



More Fluid Delivery Per Stroke

Binks Gemini™ II

double diaphragm pumps

The New Binks Gemini II Diaphragm Pump Series builds on the already successful product line for spraying, transferring and circulating a variety of coatings. On average, the new and improved units deliver more fluid per stroke than previous models, up to*:

33%
More
[½" pumps]

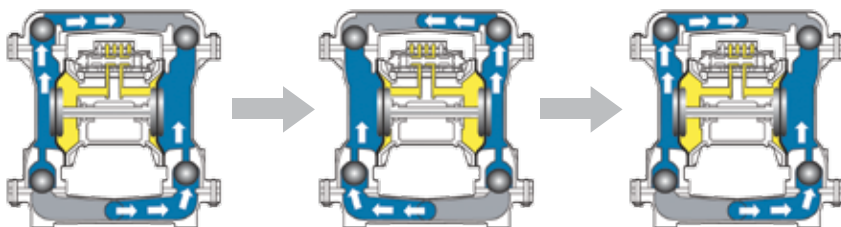
38%
More
[1" pumps]

28%
More
[1 ½" pumps]

**Use the versatile
Gemini II pumps
to fill many of
your fluid handling
requirements
including:**

- Adhesives
- Catalyzed Varnish
- Coatings
- Paints
- Resins
- Stains
- Solvents

Gemini II pumps feature a double diaphragm design, providing a 1:1 fluid ratio to compressed air supply.



41-818836

½" Conductive
Acetal Body,
Stainless Steel
Balls/Seats,
PTFE Diaphragms



41-818830

½" Stainless
Steel Body,
Stainless Steel
Balls/Seats,
PTFE Diaphragms



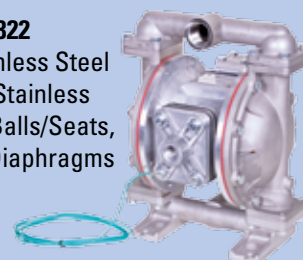
41-818820

1" Aluminum Body,
Stainless Steel
Balls/Seats,
PTFE Diaphragms



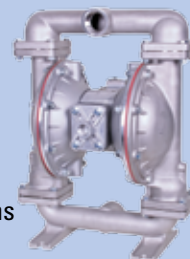
41-818822

1" Stainless Steel
Body, Stainless
Steel Balls/Seats,
PTFE Diaphragms



41-818810

1 ½" Stainless
Steel Body,
Stainless Steel
Balls/Seats,
PTFE Diaphragms



Shown: ½" Acetal Pump (41-818836)



Pumps Shear-Sensitive Materials

Low internal velocities and gentle pumping action does not shear coatings

Seal-Less

No mechanical seals or packing to leak

Runs Dry Without Damage or Heat Build-up

No internal damage

Variable Flow and Pressure

Regulate the inlet air supply to adjust the pump flow from zero to maximum rated capacity

Pumps High to Low Viscosity Materials

Fully Groundable

CE and Atex Certified



Specifications

Gemini II Pumps	41-818836	41-818830	41-818820	41-818822 41-818823(BSP)	41-818810
	½" Acetal	½" Stainless	1" Aluminum	1" Stainless	1 ½" Stainless
Air Inlet Pressure Range	0-100 PSI	0-125 PSI	0-125 PSI	0-125 PSI	0-125 PSI
Air Inlet Size	¼" NPT	¼" NPT	½" NPT	½" NPT	¾" NPT
Max Fluid Pressure	100 PSI (6.9 bar)	125 PSI (8.6 bar)	125 PSI (8.6 bar)	125 PSI (8.6 bar)	125 PSI (8.6 bar)
Fluid Inlet/Outlet	½" NPT	½" NPT	1" NPT	1" NPT	1 ½" NPT
Max Flow Rate	14 gpm (52 lpm)	14 gpm (52 lpm)	45 gpm (170 lpm)	45 gpm (170 lpm)	106 gpm (401 lpm)
Maximum Suction Lift	13 ft (3.9 m)	12 ft (3.6 m)	17 ft (5.1 m)	17 ft (5.1 m)	22 ft (6.7 m)
Max Particle Size	.125" (3 mm)	.125" (3 mm)	.25" (6 mm)	.25" (6 mm)	.25" (6 mm)
Max Temperature Limits	180	220	220	220	220
Flow @ 60 Cycles/Min	3.12 gal (11 liters)	3.12 gal (11 liters)	13.2 gal (50 liters)	13.2 gal (50 liters)	49.2 gal (186 liters)
Cycles Per Gallon	19.2	19.2	4.5	4.5	1.2
Displacement Per Cycle	.052 gpm (.196 lpm)	.052 gpm (.196 lpm)	.22 gpm (.84 lpm)	.22 gpm (.84 lpm)	.82 gpm (3.0 lpm)
Noise Level With Muffler	84 dBA Max	86 dBA Max	92 dBA Max	92 dBA Max	95 dBA Max
Weights	14 lbs (6.4 kg)	21 lbs (9.5 kg)	28 lbs (12.7 kg)	43 lbs (19.5 kg)	95 lbs (43.0 kg)
Repair Kits:					
Air End Seal Kit	41-718850	41-718850	41-718855	41-718855	41-718858
Diaphragm Kit	41-718853	41-718851	41-718856	41-718856	41-718860
Ball & Seal Kit	41-718854	41-718852	41-718857	41-718857	41-718859
Operation Manual	77-2998	77-2997	77-2994	77-2994	77-2993

Part #	Accessories
41-718805	Single Regulator Air Control (½" pumps)
41-718806	Dual Regulator Air Control (½" pumps)
41-718807	Single Regulator Air Control (1" pumps)
41-718808	Dual Regulator Air Control (1" pumps)
41-718809	Single Regulator Air Control (1 ½" pumps)
874504	5 Gallon Siphon Kit for (½" pumps)
874580	55 Gallon Siphon Kit for (½" pumps)
41-2661	Inlet Screens for Siphon Kits
41-718800	Wall Bracket (for ½" and 1" pumps)
41-3205	5 Gallon Cover (holes for pump mount by customer)
31-124	55 Gallon Cover (holes for pump mount by customer)
841010	Filter/Pulse Assembly for (½" pumps)
41-15899	Bung Adapter for (½" pipe)
41-15898	Bung Adapter for (¾" pipe)

Part #	Accessories
41-15895	Bung Adapter for (1" pipe)
41-13021	Grounding Kit
84-320	S.S. Fluid Regulator ¾" NPT (m) x ¾" NPS (m) 1 GPM 5 - 55 PSI outlet pressure, includes riser tube and 83-2571 0-100 PSI Gauge (for ½" pumps)
HFRL-508	Centrifugal Filter / Regulator Assembly
71-31101	25' Ergo Flex Air Hose ¼" ID with ¼" NPS (f) Swivel Connections
71-3303	25' Fluidall Hose ¾" ID with ¾" NPS (f) Swivel Connections
31-397	55 Gallon Gear Drive Agitator with Cover for ½" Pumps (holes for pump mount by customer)
31-133	5 Gallon Direct Drive Agitator with Cover for ½" Pumps (holes for pump mount by customer)
41-2296	5 Gallon Alum/Steel Siphon Kit for 1" Pump
44-355	55 Gallon S.S. Siphon Kit for 1" Pump
41-10467	55 Gallon Galvanized Siphon Kit for 1" Pump

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for Spray Finishing and Fluid Handling*

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*Sales and Service Through A Global Network
of Industrial Distributors*



Binks® warrants to the original end-use purchaser that the Binks branded products "MX", "Maple", and "Gemini" II shall not fail under normal use and service due to a defect in material or workmanship within five years from the date of shipment from Binks. Does not include normal wear. See complete warranty at www.binks.com

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