

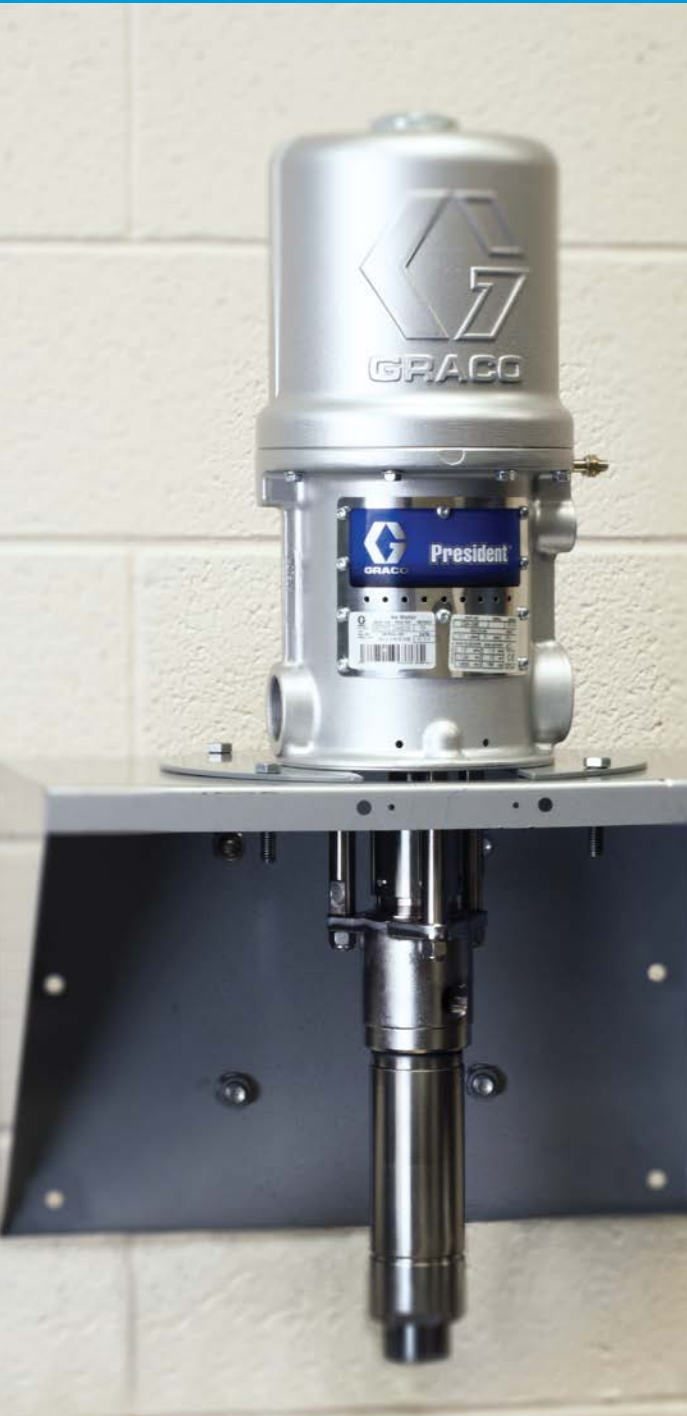
SUPPLY PUMPS

With NXT™ Technology



M O V I N G M A T E R I A L S T H A T M A T T E R ™

SETTING A NEW INDUSTRY STANDARD



- Provides material tracking, system diagnostics and runaway control with DataTrak[®], the market's first integrated local monitoring system
- Positive displacement, 2-ball piston designs for uniform and easily controlled delivery
- Easily handles a broad range of paints and coatings
- Designed for improved serviceability with fewer parts, faster repairs and lower cost of ownership

YOUR CHOICE IS CLEAR.

When you buy a Graco pump, you get the precise pressure and output you need for all of your finishing applications.

LONG LASTING DURABILITY

Graco's durable, 2-ball piston pumps have survived the test of time. Our President air motor is long lasting and provides constant fluid flow and pressure with minimal pulsation.

Standard UHMWPE packings extend the pump life in abrasive applications and Chromex[®] coated rods and chrome coated cylinders resist wear and corrosion on parts. Graco's superior pump technology delivers high performance and trouble-free reliability.

NOISE REDUCTION

The quiet, low-noise NXT air motor operates around 87 dBA, while other comparable motors operate up to 103 dBA.

EASY MAINTENANCE

Graco air motors are designed with modular components so that no special tools are needed for assembly and repair.



NXT AIR MOTOR FEATURES

Optional DataTrak™ Control

- Runaway protection
- Pump diagnostics
- Material usage



NXT Air Motor

- Modular design for easier maintenance
- Rugged body armor won't rust or dent
- Highest technology air motor on the market
- Two exhaust styles available:
 - Low noise
 - De-Icing

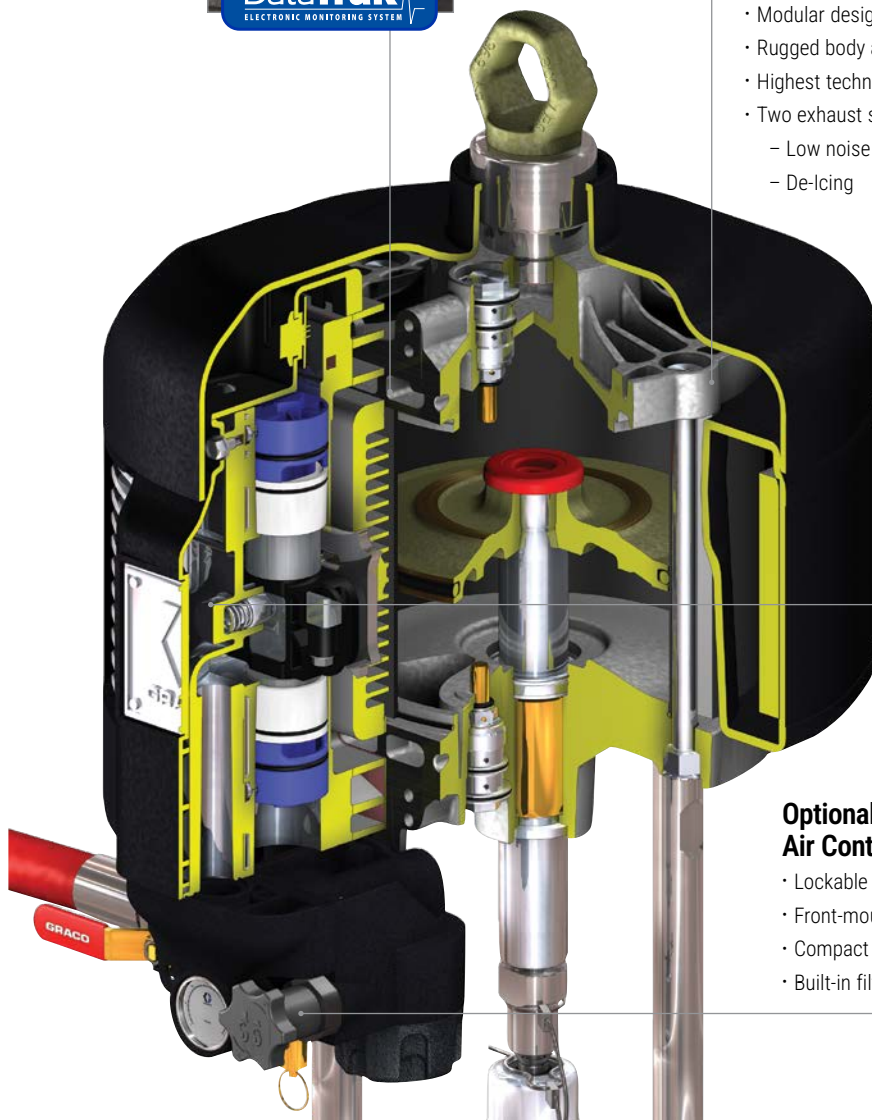
Modular Air Valve

- De-icing controls standard
- Up to 50% quieter than previous models
- Modular air valve
 - Reduces stalling
 - Easy-to-repair



Optional Integrated Air Controls

- Lockable easy-turn regulator
- Front-mounted for convenient access
- Compact and modular
- Built-in filtration



NXT TECHNOLOGY

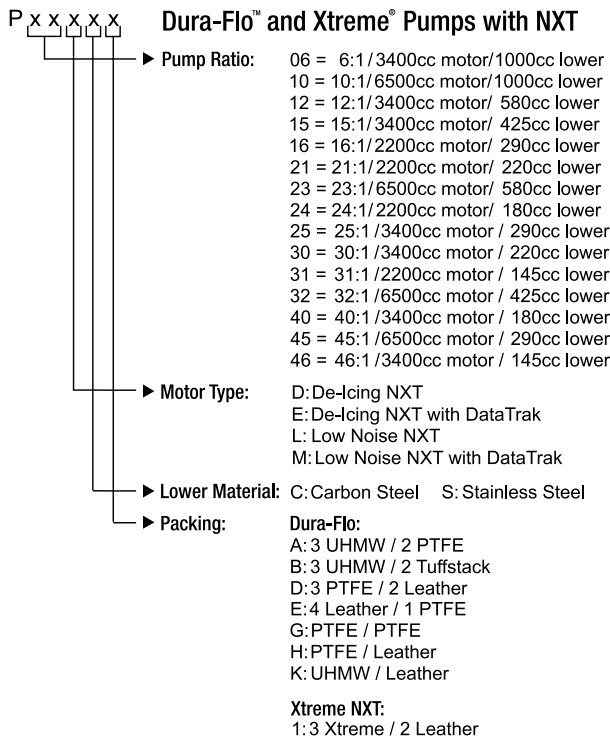
Built to handle the toughest finishing applications, the NXT air motor provides easy access to its integrated air controls and de-icing feature, plus it reduces noise.



DURA-FLO™ AND XTREME®

Use the Smart Number Ordering System

The six-digit Smart Numbering System can help you order quickly and accurately. Simply follow the diagram for the part you want and build your order.



	6:1	10:1	12:1
PUMP SPECIFICATIONS			
Output per cycle	1000 cc	1000 cc	580 cc
Motor Size	NXT 3400	NXT 6500	NXT 3400
Maximum Working Pressure psi (bar, MPa)	620 (43, 4.3)	1190 (82, 8.2)	1190 (82, 8.2)
Maximum Air Input Pressure psi (bar, MPa)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)
Output at 60 CPM gpm (lpm)	17.4 (65.8)	17.4 (65.8)	9.2 (34.8)
INLET/OUTLET			
CS Pump Inlet Size	2 in npt(f)	2 in npt(f)	2 in npt(f)
CS Pump Outlet Size	1 1/2 in npt(f)	1 1/2 in npt(f)	1 1/2 in npt(f)
SST Pump Inlet Size	2 in npt(f)	n/a	2 in npt(f)
SST Pump Outlet Size	1 in npt(f)	n/a	1 1/2 in npt(m)
MANUALS			
CS Pump Manual	311833	311833	311826
SST Pump Manual	311833	n/a	311826
CS Lower Manual	311717	311717	311825
SST Lower Manual	311716	n/a	311825
Motor Manual	311238	311238	311238

	MOTOR TYPE	DATATRACK INCLUDED	PACKINGS	6:1	10:1
CARBON STEEL	D		1		
	D		D		
	D		K	P06DCK	P10DCK
	E	Yes	1		
	E	Yes	D		
	E	Yes	K	P06ECK	P10ECK
	L		1		
	L		D		
	L		K	P06LCK	P10LCK
	M	Yes	1		
	M	Yes	D		
	M	Yes	K	P06MCK	P10MCK
PUMP CONSTRUCTION	STAINLESS STEEL	D		A	
		D		B	
		D		E	
		D		G	P06DSG
		D		H	
		E	Yes	A	
		E	Yes	B	
		E	Yes	E	
		E	Yes	G	P06ESG
		E	Yes	H	
		L		A	
		L		B	
	L		E		
	L		G	P06LSG	
	L		H		
M	Yes	A			
M	Yes	B			
M	Yes	E			
M	Yes	G	P06MSG		
M	Yes	H			

ACCESSORIES

Part Number	Description
255143	Wall mount bracket kit
253692	Floor stand
218742	Floor stand (High-Flo Plus)
247312	Wall mount and floor stand adapter for 2200 motor
287884	Heavy duty cart
287919	Light duty cart
289279	Cart adapter kit

PUMP ACCESSORIES

NXT011	Integrated air control
NXT031	Integrated air control (for JX60XX pumps)
261721	Wet cup booster cup (for mid-range High-Flo pumps)
NXT206	DataTrak upgrade kit for the NXT 2200
NXT306	DataTrak upgrade kit for the NXT 3400
NXT606	DataTrak upgrade kit for the NXT 6500

Part Number	Description
247472	1.25 in (m) 5 gallon CS
247473	1.25 in (m) 55 gallon CS
247475	1.5 in (f) 5 gallon SST
247476	1.5 in (f) 55 gallon SST
247477	2 in (f) 5 gallon SST
247478	2 in (f) 55 gallon SST

FLUID FILTER KITS

247479	0.75 in (f) SST kit
247480	1 in (f) SST kit
247474	Aluminum kit

*Contact customer service for questions or assistance choosing the correct cart adapter kit for your pump.



15:1	16:1	21:1	23:1	24:1	25:1	30:1	31:1	32:1	40:1	45:1	46:1
430 cc	290 cc	220 cc	580 cc	180 cc	290 cc	220 cc	145 cc	425 cc	180 cc	290 cc	145 cc
NXT 3400	NXT 2200	NXT 2200	NXT 6500	NXT 2200	NXT 3400	NXT 3400	NXT 2200	NXT 6500	NXT 3400	NXT 6500	NXT 3400
1580 (109, 10.9)	1520 (105,10.5)	2030 (140, 14.0)	2270 (156, 15.6)	2430 (167, 16.7)	2380 (164, 16.4)	3170 (218, 21.8)	3040 (209, 20.9)	3030 (209, 20.9)	3800 (262, 26.2)	4550 (313, 13.3)	4750 (327, 32.7)
100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)	100 (7, 0.7)
6.9 (26.1)	4.6 (17.5)	3.4 (12.9)	9.2 (34.8)	2.9 (11.0)	4.6 (17.5)	3.4 (12.9)	2.3 (8.8)	6.9 (26.1)	2.9 (11.0)	4.6 (17.5)	2.3 (8.8)
2 in npt(f)	1 1/4 in npt(m)	1 1/4 in npt(m)	2 in npt(f)	1 1/4 in npt(m)	1 1/4 in npt(m)	1 1/4 in npt(m)	1 1/4 in npt(m)	2 in npt(f)	n/a	n/a	n/a
1 1/2 in npt(f)	1 in npt(f)	1 in npt(f)	1 1/2 in npt(f)	3/4 in npt(f)	1 in npt(f)	1 in npt(f)	3/4 in npt(f)	1 1/2 in npt(f)	n/a	n/a	n/a
2 in npt(f)	2 in npt(f)	2 in npt(f)	2 in npt(f)	1 1/2 in npt(f)	2 in npt(f)	2 in npt(f)	1 1/2 in npt(f)	2 in npt(f)	1 1/2 in npt(f)	2 in npt(f)	1 1/2 in npt(f)
1 1/2 in npt(m)	1 in npt(f)	1 in npt(f)	1 1/2 in npt(m)	3/4 in npt(f)	1 in npt(f)	1 in npt(f)	3/4 in npt(f)	1 1/2 in npt(m)	3/4 in npt(f)	1 in npt(f)	3/4 in npt(f)
311826	311164	311164	311826	311164	311164	311164	311164	311826	n/a	n/a	n/a
311826	311828	311828	311826	311828	311828	311828	311828	311826	311828	311828	311828
311825	311762	311762	311825	311762	311762	311762	311762	311825	n/a	n/a	n/a
311825	311827	311827	311825	311827	311827	311827	311827	311825	311827	311827	311827
311238	311238	311238	311238	311238	311238	311238	311238	311238	311238	311238	311238

12:1	15:1	16:1	21:1	23:1	24:1	25:1	30:1	31:1	32:1	40:1	45:1	46:1
		P16DC1	P21DC1		P24DC1	P25DC1	P30DC1	P31DC1				
P12DCD	P15DCD			P23DCD					P32DCD			
		P16EC1	P21EC1		P24EC1	P25EC1	P30EC1	P31EC1				
P12ECD	P15ECD			P23ECD					P32ECD			
		P16LC1	P21LC1		P24LC1	P25LC1	P30LC1	P31LC1				
P12LCD	P15LCD			P23LCD					P32LCD			
		P16MC1	P21MC1		P24MC1	P25MC1	P30MC1	P31MC1				
P12MCD	P15MCD			P23MCD					P32MCD			
P12DSA				P23DSA								
	P15DSB								P32DSB			
		P16DSE	P21DSE		P24DSE	P25DSE	P30DSE			P40DSE	P45DSE	
								P31DSH				P46DSH
P12ESA				P23ESA								
	P15ESB								P32ESB			
		P16ESE	P21ESE		P24ESE	P25ESE	P30ESE			P40ESE	P45ESE	
								P31ESH				P46ESH
P12LSA				P23LSA								
	P15LSB								P32LSB			
		P16LSE	P21LSE		P24LSE	P25LSE	P30LSE			P40LSE	P45LSE	
								P31LSH				P46LSH
P12MSA				P23MSA								
	P15MSB								P32MSBI			
		P16MSE	P21MSE		P24MSE	P25MSE	P30MSE			P40MSE	P45MSE	
								P31MSH				P46MSH

PRESIDENT® PNEUMATIC 2-BALL PISTON PUMPS

President/Monark Features and Benefits

- Reliable, low maintenance air motor
- Positive displacement, 2-ball piston design provides uniform and easily controlled delivery
- Stainless steel or carbon steel models available to handle various fluids
- Drum and stubby length models available for mounting and application flexibility

TECHNICAL SPECIFICATIONS AND ORDERING INFORMATION

		3:1	4:1	10:1	15:1	30:1
PUMP SPECIFICATIONS	Output per cycle	630 cc	500 cc	189 cc	112 cc	62 cc
	Maximum working pressure psi (bar, MPa)	360 (25, 2.5)	400 (28, 2.8)	1800 (124, 12.4)	1800 (124, 12.4)	3600 (250, 25)
	Maximum air input pressure psi (bar, MPa)	120 (8, 0.8)	100 (7, 0.7)	180 (12, 1.2)	120 (8, 0.8)	120 (8, 0.8)
	Output at 60 CPM gpm (lpm)	10 (37.8)	8 (30.2)	3 (11.3)	1.8 (6.8)	1 (3.8)
INLET/OUTLET	Pump inlet size	1 1/2 npt(f)	1 1/2 npt(f)	Stubby: 3/4 npt(f) Drum: No intake thread	3/4 npt(m)	316 SST: 3/4 npt(f) Other Models: 3/4 npt(m)
	Pump outlet size	Stubby: 3/4 npt(m) Drum: 1 npt(f)	1 npt(f)	Models: 239326, 224347, 224348: 3/4 npt(f) Models: 224342, 224348: 1/2 npt(f)	1 1/2 npt(f)	316 SST: 1/4 npt(f) Other Models: 3/8 npt(f)
MANUALS	Pump manual assembly	307674	307986	308116: Model 224342 308117: Models 224346, 224347 308118: SST Drum Pumps 308738: CS Drum Pumps	306936	306769: 316 SST model 308106: 304 SST model 306981: CS models

		TYPE	SEALS	3:1	4:1	10:1	15:1	30:1
PUMP CONSTRUCTION	CARBON STEEL	Stubby	3 Leather/ 2 PTFE	237143				
		Stubby	3 UHMWPE/2 Leather		223184			
		Stubby	PTFE/Leather				217580	223586
		Drum	3 UHMWPE/2 Leather		223183			
		Drum	PTFE			239326		
		Drum	PTFE/Leather					221075
	STAINLESS STEEL	Stubby	3 UHMWPE/2 Leather	218747				
		Stubby	5 PTFE	237146				
		Stubby	UHMWPE/PTFE			224342		
		Stubby	UHMWPE/Neoprene			224346		
		Stubby 304 SST	PTFE/Leather					223843
		Drum	3 UHMWPE/2 Leather	218795				
	Drum	UHMWPE/PTFE			224348			

ADDITIONAL LOWER DISPLACEMENT PUMPS

Part Number	Description	Construction
223595	Lower Displacement	Carbon Steel
239328	Standard Seal Repair	4 Leather/1 PTFE
223603	Standard Displacement Rod	Stainless Steel
178898	Sleeve Housing	Stainless Steel



224346

MONARK® PNEUMATIC 2-BALL PISTON PUMPS



President/Monark Typical Fluids Handled

- Solventborne and waterborne fluids
- High solids, plural component coatings
- Resins
- Stains, lacquers and varnishes
- Cleaning fluids
- Acid-catalyzed materials
- High solid coatings

TECHNICAL SPECIFICATIONS AND ORDERING INFORMATION

		223186	224350	224343	224345	218956	223844	223596
PUMP SPECIFICATIONS	Model	2:1	5:1	5:1	5:1	5:1	15:1	23:1
	Output per cycle	343 cc	157 cc	157 cc	157 cc	135 cc	44 cc	27 cc
	Maximum working pressure psi (bar, MPa)	200 (12, 1.4)	900 (62, 6.2)	600 (42, 4.2)	900 (62, 6.2)	900 (62, 6.2)	2700 (186, 18.6)	3450 (238, 23.8)
	Maximum air input pressure psi (bar, MPa)	100 (7, 0.7)	180 (12.4, 1.2)	120 (8, 0.8)	180 (12.4, 1.2)	180 (12.4, 1.2)	100 (7, 0.7)	150 (10, 1.0)
	Output at 60 CPM gpm (lpm)	5.4 (20.5)	2.5 (9.4)	2.5 (9.4)	2.5 (9.4)	2.5 (9.4)	0.7 (2.6)	0.4 (1.6)
INLET/ OUTLET	Pump inlet size	1 1/2 npt(f)	1 1/5 (f)	3/4 npt(f)	3/4 npt(f)	N/A	3/4 npt(m)	3/4 npt(m)
	Pump outlet size	1 npt(f)	3/4 npt(f)	1/2 npt(f)	1/2 npt(f)	3/4 npt(f)	3/8 npt(f)	3/8 npt(f)
MANUALS	Pump manual assembly	307985	308118	308116	308117	307044	308106	307619
	Lower manual	307983	308118	308116	308117	307044	308106	307619
	Motor manual	307043	307043	307043	307043	307043	307043	307043

		TYPE	SEALS	2:1	5:1	5:1	5:1	5:1	15:1	23:1
PUMP CONSTRUCTION	CARBON STEEL	Stubby	UHMWPE/Leather	223186						223596
		Drum	PTFE					218956		
		Stubby	UHMWPE/PTFE			224343				
	STAINLESS STEEL	Stubby	UHMWPE/Neoprene				224345			
		Stubby	PTFE/Leather						223844	
		Drum	UHMWPE/PTFE		224350					

ACCESSORIES

Part Number	Description
-------------	-------------

MOUNTING ACCESSORIES

206220	Wall Bracket. For mounting 2-tie rod Monark and President pumps to wall.
207365	Wall Bracket. For mounting 3-tie rod Monark and President pumps to wall.
194248	Accessory Packing Tool. Eases insertion of piston assembly into cylinder.
168085	Accessory Assembly Tool. Use to install piston assembly into cylinder (model 239326).
171818	Adjustment Tool. A 0.145 in (3.7 mm) gauge used to ensure proper clearance between the poppets and the piston on the President air motor.
207579	Padded Pliers. For servicing President air motor trip rod.

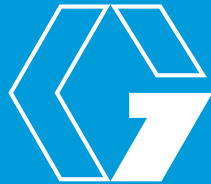
Part Number	Description
-------------	-------------

MOUNTING ACCESSORIES

236054	Suction Kit (Monark 1.5:1 and 2:1 only). Use to siphon material out of 55 gal (200 l) closed-end drum. Includes siphon tube, bung adapter, 6 ft (1.8 m) nitrile hose, 1-1/2 npt(m) outlet fitting.
207484	Siphon Kit, Aluminum (Monark 5:1 only). Use to siphon fluid from a 5 gal (18.9 l) pail. Includes nylon suction hose 214960, 3/4 in ID, 3.5 ft (1.1 m) long, 3/4 in npt(f) swivel outlet fitting.
208259	Siphon Kit, Carbon Steel (Monark 5:1 only). Use to siphon fluid from a 55 gal (200 l) drum. Includes nylon suction hose 214961, 3/4 in ID, 6 ft (1.8 m), 3/4 in npt(f) swivel outlet fitting, bung adapter.
208920	Siphon Kit, Aluminum (Monark 5:1 only). Use to siphon fluid from a 5 gal (18.9 l) pail. Includes nylon suction hose 170706, 1 in ID, 4 ft (1.2 m) long, 3/4 in npt(f) swivel outlet fitting, inlet strainer.



MOVING MATERIALS THAT MATTER™



For more information visit [graco.com](https://www.graco.com)

©2026 Graco Inc. 344905EN-F 4/26 All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice. Trademarks are referenced herein for identification purposes only. All trademarks are the property of their respective owners. Product covered by issued and pending patents, see [graco.com/patents](https://www.graco.com/patents).