



# Circulation and Supply Pumps

With NXT™ Technology



## Setting a New Industry Standard!

- Tested to outperform other pumps on the market with a long-life packing design
- Provides material tracking, system diagnostics and runaway control with DataTrak™, the market's first integrated local monitoring system
- Offers positive displacement, 2-ball and 4-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

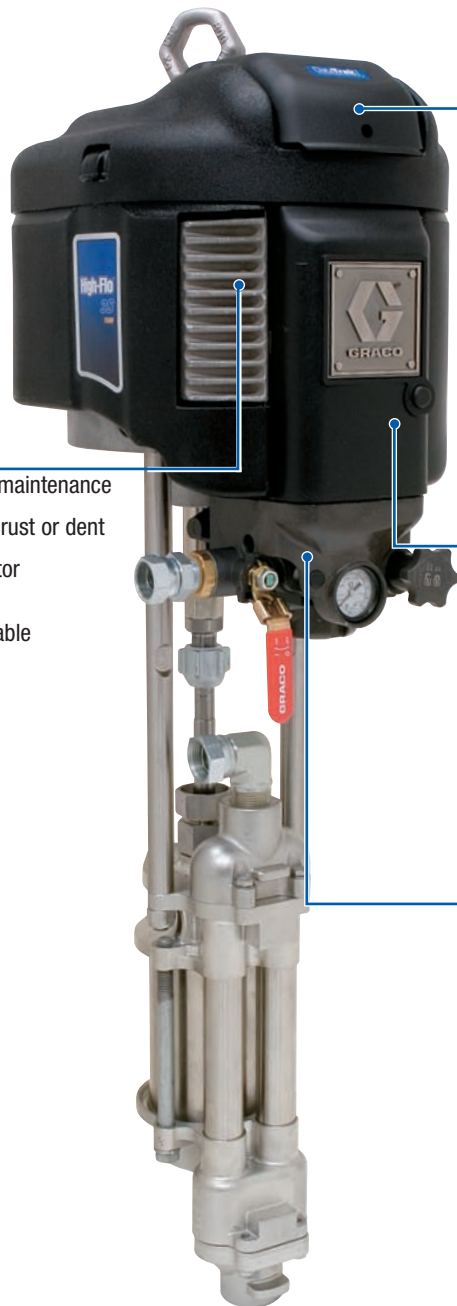
PROVEN QUALITY. LEADING TECHNOLOGY.

# NXT Technology

Discover the Next Generation of Power and Performance

## New NXT Air Motor Technology Lasts up to 10 Times Longer!

We've taken the best and made it even better. With the NXT air motor, you get a new pump that sets a higher standard for long-lasting durability. In fact, the NXT air motor is proven to last 10 times longer than its predecessors, the Graco Senator®, Bulldog® and King. Built to handle the toughest finishing applications, the NXT also provides easy access to its integrated air controls and de-icing feature, plus it reduces noise. And with more models and configurations to choose from, you get the precise pressure and output you need for your high performance applications.



### **NEW NXT Air Motor**

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

### **Optional NEW DataTrak™ Control**

- Runaway protection
- Pump diagnostics
- Material usage



### **NEW Modular Air Valve**

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



### **Optional NEW Integrated Air Controls**

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



## What's NXT?

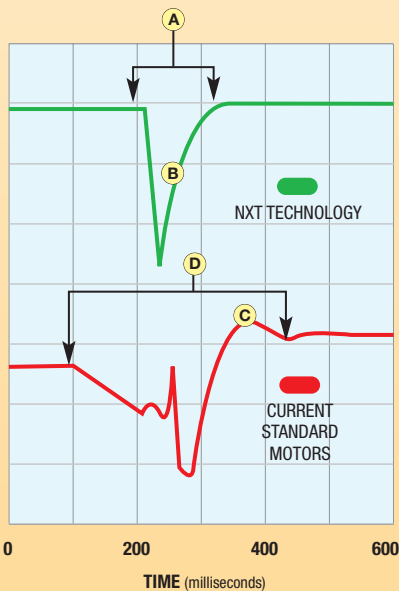
Innovation that boosts your productivity.

# The Rules Have Changed

## Raising the Bar for High-Performance Circulation and Supply

### Less Pulsation for Better Results

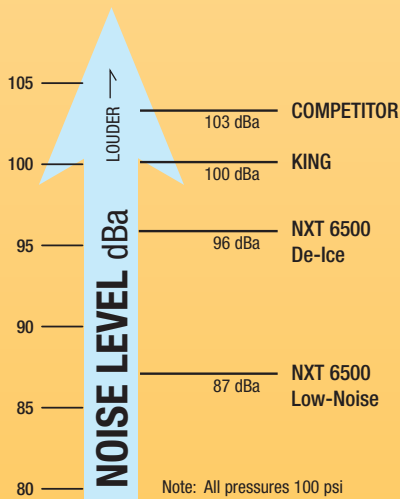
NXT technology provides a smooth, rapid changeover for a better, more consistent finish and less user fatigue.



- A** Less than  $\frac{1}{15}$  of a second changeover!
- B** Quick changeover and recovery with less pulsation
- C** Pressure spike at changeover
- D** Longer changeover causing pulsation

### Noise-Reduction Technology

The quiet, low-noise NXT air motor operates around 87 decibels, while other comparable motors operate up to 103 dB(A).

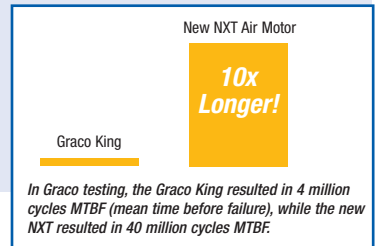


### Features and Benefits

#### Increased Reliability

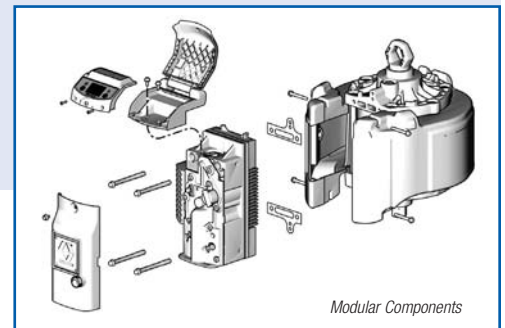
The new NXT Air Motor is proven to last 10 times longer than the Graco Senator, Bulldog and King.

That means you get longer lasting reliable performance when you upgrade your standard pump to the new NXT versions.



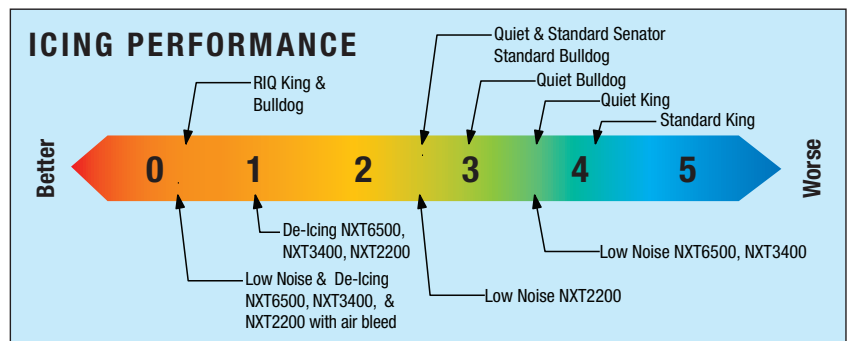
#### Easy Maintenance

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



#### Reduced Icing

All new NXT Air Motors come standard with Graco's new de-icing technology. The Active De-Icing Control allows the operator to add warmer ambient air to the motor to melt any build-up of frost or ice.



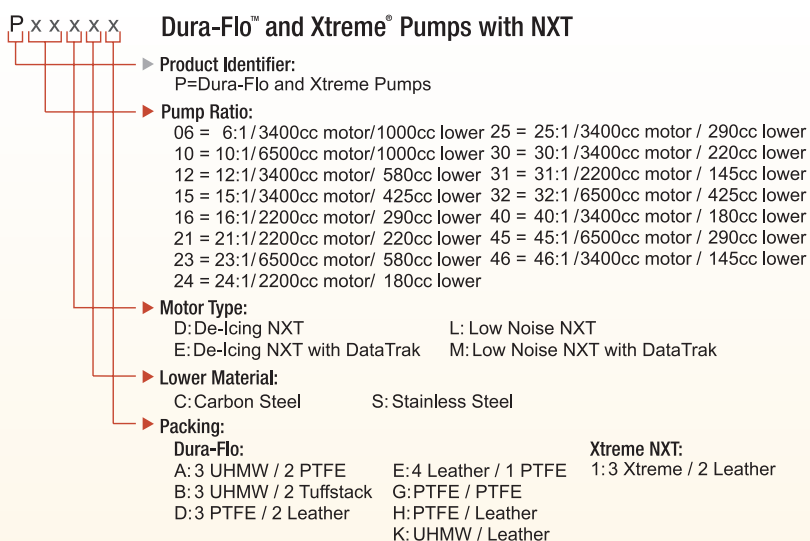
# Selecting the Right Pump

Three New Air Motor Sizes and 15 Models to Fit All of Your Demanding Applications

## Dura-Flo™ and Xtreme® Pumps

### Use the Smart Numbering 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	
<b>DURA-FLO AND XTREME</b>	<b>PUMP SPECIFICATIONS</b>	Output per cycle	1000cc	1000cc	580cc
		Motor Size	NXT 3400	NXT 6500	NXT 3400
		Maximum Working Pressure psi (bar, Mpa)	620 (42.7)	1190 (82.0)	1190 (82.1)
		Maximum Air Input Pressure psi (bar, Mpa)	100 (6.9)	100 (6.9)	100 (6.9)
		Output at 60 CPM ) gpm (lpm)	17.4 (65.8)	17.4 (65.8)	9.2 (34.8)
	<b>MANUALS</b>	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
<b>INLET/OUTLET SIZE</b>	CS Pump Inlet Size	2" npt (f)	2" npt (f)	2" npt (f)	
	CS Pump Outlet Size	1 1/2" npt (f)	1 1/2" npt (f)	1 1/2" npt (f)	
	SST Pump Inlet Size	2" npt (f)	n/a	2" npt (f)	
	SST Pump Outlet Size	1" npt (f)	n/a	1 1/2" npt (m)	

		MOTOR TYPE	DATATRAK INCLUDED	PACKINGS	6:1	10:1	12:1	
<b>PUMP CONSTRUCTION</b>	<b>CARBON STEEL (C)</b>	D		1				
		D		D			P12DCD	
		D		K	P06DCK	P10DCK		
		E	Yes	1				
		E	Yes	D				P12ECD
		E	Yes	K	P06ECK	P10ECK		
		L		1				
		L		D				P12LCD
		L		K	P06LCK	P10LCK		
		M	Yes	1				
		M	Yes	D				P12MCD
		M	Yes	K	P06MCK	P10MCK		
	<b>STAINLESS STEEL (S)</b>	D		A				P12DSA
		D		B				
		D		E				
		D		G	P06DSG			
		D		H				
		E	Yes	A				P12ESA
		E	Yes	B				
		E	Yes	E				
		E	Yes	G	P06ESG			
		E	Yes	H				
		L		A				P12LSA
		L		B				
L		E						
L		G	P06LSG					
L		H						
M	Yes	A				P12MSA		
M	Yes	B						
M	Yes	E						
M	Yes	G	P06MSG					
M	Yes	H						

15:1	16:1	21:1	23:1	24:1	25:1	30:1	31:1	32:1	40:1	45:1	46:1
430cc	290cc	220cc	580cc	180cc	290cc	220cc	145cc	530cc	180cc	290cc	145cc
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)	1520 (104.8)	2030 (140.0)	2270 (156.5)	2430 (167.5)	2380 (164.1)	3170 (218.6)	3040 (209.6)	3030 (208.9)	3800 (262.0)	4550 (313.7)	4750 (327.5)
100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)
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)
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
2" npt (f)	1 1/4" npt(m)	1 1/4" npt(m)	2" npt (f)	1 1/4" npt(m)	1 1/4" npt(m)	1 1/4" npt(m)	1 1/4" npt(m)	2" npt (f)	n/a	n/a	n/a
1 1/2" npt (f)	1" npt (f)	1" npt (f)	1 1/2" npt (f)	3/4" npt (f)	1" npt (f)	1" npt (f)	3/4" npt (f)	1 1/2" npt (f)	n/a	n/a	n/a
2" npt (f)	2" npt (f)	2" npt (f)	2" npt (f)	1 1/2" npt (f)	2" npt (f)	2" npt (f)	1 1/2" npt (f)	2" npt (f)	1 1/2" npt (f)	2" npt (f)	1 1/2" npt (f)
1 1/2" npt (m)	1" npt (f)	1" npt (f)	1 1/2" npt (m)	3/4" npt (f)	1" npt (f)	1" npt (f)	3/4" npt (f)	1 1/2" npt (m)	3/4" npt (f)	1" npt (f)	3/4" npt (f)

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

Graco recommends 20 cpm or less for supply applications and 12 cpm or less for circulation applications.

# Selecting the Right Pump

Eight Models to Fit all of Your Demanding Applications

## High-Flo® and High-Flo Plus Pumps

		2:1	3:1	3.3:1	3.5:1	4:1	4.4:1	4.5:1	6:1	
<b>HIGH-FLO AND HIGH-FLO PLUS</b>	<b>PUMP SPECIFICATIONS</b>	Output per cycle	2000cc	1500cc	4000cc	2000cc	1000cc	3000cc	1500cc	2000cc
		Motor Size	NXT 2200	NXT 2200	NXT 6500	NXT 3400	NXT 2200	NXT 6500	NXT 3400	NXT 6500
		Maximum Working Pressure psi (bar, Mpa)	200 (13.8)	290 (20)	325 (22.5)	340 (23.5)	400 (27.6)	460 (31.8)	450 (31.1)	500 (34.5)
		Maximum Air Input Pressure psi (bar, Mpa)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	100 (6.9)	78 (5.4)
		Output at 60 CPM gpm (lpm)	31.9 (119.3)	23.2 (87.9)	63 (238.6)	31.5 (119.3)	16.9 (64)	47.3 (179)	23.2 (87.9)	31.5 (119.3)
	<b>MANUALS</b>	Pump Manual	311211	311211	311831	311211	311211	311831	311211	311831
		Lower Manual	311690	311690	311832	311690	311690	311832	311690	311832
		Motor Manual	311238	311238	311238	311238	311238	311238	311238	311238
	<b>INLET/OUTLET SIZE</b>	CS Pump Inlet Size	1.5" npt (f)	1.5" npt (f)	2" npt (f)	1.5" npt (f)	1.5" npt (f)	2" npt (f)	1.5" npt (f)	2" npt (f)
		CS Pump Outlet Size	1" npt (f)	1" npt (f)	2" npt (f)	1" npt (f)	1" npt (f)	2" npt (f)	1" npt (f)	2" npt (f)
SST Pump Inlet Size		1.5" npt (f)	1.5" npt (f)	2" npt (f)	1.5" npt (f)	1.5" npt (f)	2" npt (f)	1.5" npt (f)	2" npt (f)	
SST Pump Outlet Size		1" npt (f)	1" npt (f)	2" npt (f)	1" npt (f)	1" npt (f)	2" npt (f)	1" npt (f)	2" npt (f)	
SST Pump Inlet Size		1.5" BSPP (f)	1.5" BSPP (f)	2" BSPP (f)	1.5" BSPP (f)	1.5" BSPP (f)	2" BSPP (f)	1.5" BSPP (f)	2" BSPP (f)	
SST Pump Outlet Size		1.25" BSPP (f)	1.25" BSPP (f)	2" BSPP (f)	1.25" BSPP (f)	1.25" BSPP (f)	2" BSPP (f)	1.25" BSPP (f)	2" BSPP (f)	
SST Pump Inlet Size		2" Tri-Clamp	2" Tri-Clamp	N/A	2" Tri-Clamp	2" Tri-Clamp	N/A	2" Tri-Clamp	N/A	
SST Pump Outlet Size	2" Tri-Clamp	2" Tri-Clamp	N/A	2" Tri-Clamp	2" Tri-Clamp	N/A	2" Tri-Clamp	N/A		

		MOTOR TYPE	DATATRAK INCLUDED	FITTINGS/LOWER MATERIALS	2:1	3:1	3.3:1	3.5:1	4:1	4.4:1	4.5:1	6:1	
<b>PUMP CONSTRUCTION</b>	<b>CARBON STEEL (C)</b>	L	1	JC20L1			JC33L1	JC35L1		JC44L1		JC60L1	
		L	7		JC30L7				JC40L7		JC45L7		
		M	Yes	1	JC20M1			JC33M1	JC35M1		JC44M1		JC60M1
		M	Yes	7		JC30M7				JC40M7		JC45M7	
	<b>STAINLESS STEEL (S)</b>	L	1	JS20L1	JS30L1	JS33L1	JS35L1	JS40L1	JS44L1	JS45L1	JS60L1		
		L	2	JS20L2	JS30L2		JS35L2	JS40L2		JS45L2			
		L	3	JS20L3	JS30L3	JS33L3	JS35L3	JS40L3	JS44L3	JS45L3	JS60L3		
		L	4	JS20L4	JS30L4		JS35L4	JS40L4		JS45L4			
		L	5	JS20L5	JS30L5		JS35L5	JS40L5		JS45L5			
		L	6	JS20L6	JS30L6		JS35L6	JS40L6		JS45L6			
		M	Yes	1	JS20M1	JS30M1	JS33M1	JS35M1	JS40M1	JS44M1	JS45M1	JS60M1	
		M	Yes	2	JS20M2	JS30M2		JS35M2	JS40M2		JS45M2		
		M	Yes	3	JS20M3	JS30M3	JS33M3	JS35M3	JS40M3	JS44M3	JS45M3	JS60M3	
		M	Yes	4	JS20M4	JS30M4		JS35M4	JS40M4		JS45M4		
		M	Yes	5	JS20M5	JS30M5		JS35M5	JS40M5		JS45M5		
		M	Yes	6	JS20M6	JS30M6		JS35M6	JS40M6		JS45M6		
		R	1	JS20R1	JS30R1	JS33R1	JS35R1	JS40R1	JS44R1	JS45R1	JS60R1		
		R	2	JS20R2	JS30R2		JS35R2	JS40R2		JS45R2			
		R	3	JS20R3	JS30R3	JS33R3	JS35R3	JS40R3	JS44R3	JS45R3	JS60R3		
		R	4	JS20R4	JS30R4		JS35R4	JS40R4		JS45R4			
		R	5	JS20R5	JS30R5		JS35R5	JS40R5		JS45R5			
		R	6	JS20R6	JS30R6		JS35R6	JS40R6		JS45R6			
		S	Yes	1	JS20S1	JS30S1	JS33S1	JS35S1	JS40S1	JS44S1	JS45S1	JS60S1	
		S	Yes	2	JS20S2	JS30S2		JS35S2	JS40S2		JS45S2		
		S	Yes	3	JS20S3	JS30S3	JS33S3	JS35S3	JS40S3	JS44S3	JS45S3	JS60S3	
		S	Yes	4	JS20S4	JS30S4		JS35S4	JS40S4		JS45S4		
		S	Yes	5	JS20S5	JS30S5		JS35S5	JS40S5		JS45S5		
		S	Yes	6	JS20S6	JS30S6		JS35S6	JS40S6		JS45S6		

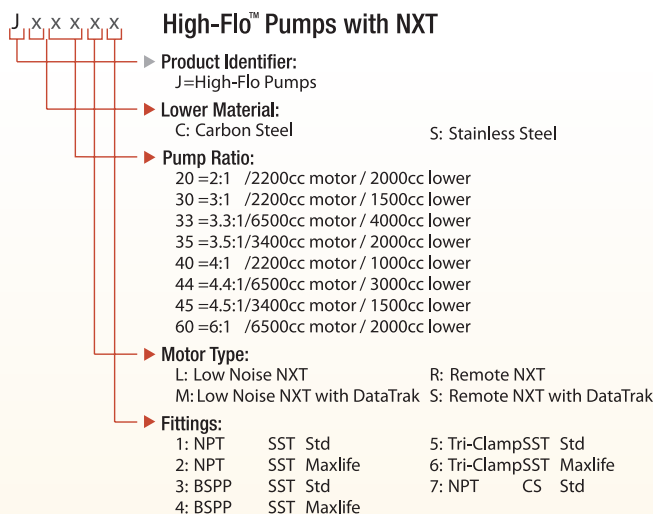
Graco recommends 20 cpm or less for supply applications and 12 cpm or less for circulation applications.

# Ordering Information & Accessories

To get genuine Graco accessories and repair parts, see your nearest Graco Distributor, or call Graco at 1-877-844-7226.

## Use the Smart Numbering 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.



## Accessories

### Mounting Accessories

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

### Suction Kits

247472 For 1.25 in (m) 5 gallon CS suction kit  
247473 For 1.25 in (m) 55 gallon CS suction kit  
247475 For 1.5 in (f) 5 gallon SST suction kit  
247476 For 1.5 in (f) 55 gallon SST suction kit  
247477 For 2 in (f) 5 gallon SST suction kit  
247478 For 2 in (f) 55 gallon SST suction kit

### Fluid Filter Kits

247479 For .75 in (f) SST fluid filter kit  
247480 For 1 in (f) SST fluid filter kit  
247474 Aluminum fluid filter kit

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



## ABOUT GRACO

### PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

## GRACO LOCATIONS

### MAILING ADDRESS

P.O. Box 1441  
Minneapolis, MN 55440-1441  
Tel: 612.623.6000  
Fax: 612.623.6777

### AMERICAS

#### MINNESOTA

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### EUROPE

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3630 Maasmechelen,  
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Fax: 61.3.9550.0816

#### CHINA

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Shanghai, P.R. China 200233  
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#### KOREA

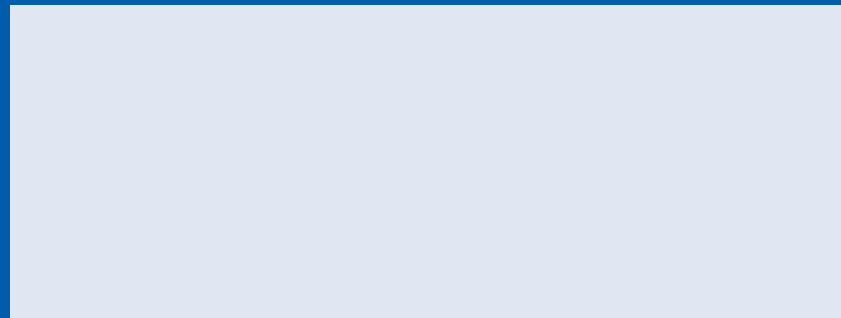
Graco Korea Inc.  
Choheung Bank Building  
4th Floor #1599  
Gwanyang-Dong, Dongan-Ku,  
Anyang-Si, Gyunggi-Do,  
Korea 431-060  
Tel: 82(Korea).31.476.9400  
Fax: 82(Korea).31.476.9801

## SALES/DISTRIBUTION/SERVICE

Call today for product information or to request a demonstration.

**1.877.84GRACO (1-877-844-7226)** or visit us at [www.graco.com](http://www.graco.com).

Graco Inc. is registered to I.S. EN ISO 9001



North America  
Industrial Customer Service  
800-328-0211  
FAX 877-340-6427