

# G3™ Electric Lubrication Pump

For Series Progressive and Injector-based Systems



# Versatile Design Helps Solve Today's Lubrication Challenges.



## Take a look inside—we think you'll like what you see

Designed from the inside-out for longer lasting performance and reliability. G3 meets changing temperatures, challenging installation requirements and changing grease types head-on. Graco's newest electric pump delivers high performance results in real world application conditions.



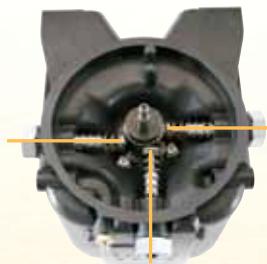
### Advanced Flow Dynamics

Specially contoured base funnels grease directly to the pump inlet to significantly reduce stagnant flow areas where soaps and grease fillers can accumulate.



### Adjustable Stroke Pump

With G3, adjustability comes standard! Eliminate the need to purchase additional fixed output elements or high-priced adjustable elements.



### Load Minimizing Drive

Each G3 piston pump element is offset from the main motor shaft resulting in less stress on the motor and internal components.

## Why G3 is Better

### Two in One Design Does More!

G3's flexible design works with injector-based and series progressive systems. A cost-effective pump designed to serve multiple markets and applications.

### Options that fit your business

Three controllers to choose from with multiple zone and feedback options. Includes one adjustable pump element—standard, plus room for two more. Multiple reservoir and more! The ultimate in flexibility—for a high value, custom fit on your application.

### Built-in Tools To Help you Succeed

Work faster and smarter with Graco's exclusive Data Management System™ (DMS). Find out exactly how your lubrication system is performing and how well it's lubricated. Tracks history, provides data protection, upload or download data using a simple USB flash drive.

### World Wide Support with Experienced Professionals

Graco wants to help you become more successful. Our staff of professional engineers, designers, field experts and customer service representatives are at your service. We invite you to call on us to partner in your next project.

***Extend machinery life, reduce operating costs and increase productivity with a Graco G3 today!***

# Versatile, Hard-working Pump

Designed for You to Succeed

## Two Reservoir Types

Stirring paddle with wiper arm to keep material from separating.  
Follower plate available for extreme angle installations

## Multiple Reservoir Sizes

Choice of 2, 4, 8, 12 or 16 liter U.V. resistant, high-impact reservoirs for oil and grease to meet the needs of your equipment

## Power Choices

Connect to DC (12 or 24v) and AC (90-240v) power sources with CPC or DIN-style connectors for easy, no hassle installations

## Three Pump Elements

G3 comes standard with one adjustable pump element installed—add up to two more for higher output on large projects

## Vent Valve Output

Combine Max controller with a vent valve for injector-based systems

## Multiple Cycle and Pressure Inputs

Mix and match up to three cycle and pressure switches for custom installations and feedback

## Three Controller Options

Choose from Standard, Pro and Max controller options—buy only what you need for your application

## Machine Count Input

Machine count input to manage equipment with unpredictable lubrication requirements



## Data Management System™ (DMS)

- Simple data transfer to your PC via USB flash drive for further analysis using Excel® or Notepad®
- Provides performance history for lube system events, such as cycle detection, error logs and allows a quick check of lubrication performance to meet your system requirements
- Preferred lube cycle program can be stored and transferred to other G3 pumps in your fleet for quick and accurate repeatability
- Provides you the comfort and security in knowing your pump is being properly maintained and your lube system is protecting your valuable asset

# Control for Your Business

## Standard, Pro and Max

Choose the level of control you need for your series progressive or injector based applications.



### G3 Standard

- No internal controller—use with separate or existing machine control for a low cost solution
- Capable of sending a low level signal to your external controller or PLC



### G3 Pro

- Built-in controller with selectable pump on/pump off timer
- Low level indicator provides low warning and shut-down alarm
- Manual run initiates lube cycle on-demand (remote option also available)
- Password protection safeguards settings
- Pre-lube function can initiate lube cycle on start-up



### G3 Max

- Built-in controller with selectable pump on/pump off timer
- Low level indicator provides low warning and shut-down alarm
- Manual run initiates lube cycle on-demand (remote option also available)
- Password protection safeguards settings
- Pre-lube function can initiate lube cycle on start-up
- Up to three pressure or cycle switch inputs to ensure proper lubrication cycles
- Mix/match cycle and pressure switches for custom installations and feedback
- Machine count input—ideally suited for inconsistently used equipment
- Fault indication to external alarms
- Optional Data Management System™ (DMS)

## Check out the full-featured G3 Max

- ① Easy-to-read LED display
- ② Clearly identified pump on/off indication
- ③ Monitoring of up to three independent zones
- ④ Programmable machine count feature
- ⑤ Alarm signal of lube system shutdown
- ⑥ Warning signal prior to lube system shutdown
- ⑦ Low level indication
- ⑧ Password protected access to control
- ⑨ Pre-lube capability
- ⑩ Easy-to-use navigation keys



## Tech Specs

Max Pressure .....	5100 psi (352 bar)
Power .....	12 VDC, 24 VDC, 90-240 VAC
Operating Temperature .....	-13 to 158° F (-25 to 70° C)
Reservoir Size.....	2, 4, 8, 12, or 16 liter
Adjustable Pump Output Per Element Per Minute....	0.12 in <sup>3</sup> , 0.18 in <sup>3</sup> , 0.25 in <sup>3</sup> (2 cm <sup>3</sup> , 3 cm <sup>3</sup> , 4 cm <sup>3</sup> )
Lube Type .....	Oil or Grease, up to NLGI #2
Certifications/Ratings .....	CE, ETL*, IP69K *Conforms to UL 73, certified to CSA 22.2 No. 68-09
Instruction Manual.....	3A0414

# G3™ Selection Guide



## G3 Standard

Comes standard with no controller for use with separate or existing machine control for a low cost solution. Capable of sending a low level signal to your external controller or PLC

Reservoir Size	Part Number	Voltage	Wiper Arm	Follower Plate	External Low Level	Power Connection
Grease	96G000	12 VDC	X			CPC
	96G003	12 VDC	X		X	CPC
	96G001	24 VDC	X			CPC
	96G005	24 VDC	X		X	CPC
	96G006	24 VDC		X	X	CPC
	96G002	90-240 VAC	X			DIN
	96G007	90-240 VAC	X		X	DIN
	96G008	90-240 VAC		X	X	DIN
Oil	96G038	12 VDC	X			CPC
	96G044	12 VDC	X		X	CPC
	96G040	24 VDC	X			CPC
	96G048	24 VDC	X		X	CPC
	96G053	24 VDC		X	X	CPC
	96G042	90-240 VAC	X			DIN
	96G055	90-240 VAC	X		X	DIN
	96G062	90-240 VAC		X	X	DIN
8 liter	96G039	12 VDC	X			CPC
	96G045	12 VDC	X		X	CPC
	96G049	24 VDC	X		X	CPC
	96G041	24 VDC	X			CPC
	96G043	90-240 VAC	X			DIN
	96G056	90-240 VAC	X		X	DIN
12 liter	96G057	90-240 VAC	X		X	DIN
16 liter	96G058	90-240 VAC	X		X	DIN
2 liter	96G050	24 VDC	X		X	CPC
	96G059	90-240 VAC	X		X	DIN
	90G051	24 VDC	X		X	CPC
	96G060	90-240 VAC	X		X	DIN
8 liter	96G052	24 VDC	X		X	CPC
	96G061	90-240 VAC	X		X	DIN

# G3™ Selection Guide



## G3 Pro

Built-in controller with selectable pump on/pump off timer has low level indicator providing low warning and shut-down alarm. Comes with manual run and password protection with pre-lube function to initiate lube cycle on start-up.

	Reservoir Size	Part Number	Voltage	Manual Run	Wiper Arm	Follower Plate	External Low Level	Power Connection
Grease	2 liter	96G027	12 VDC		X			CPC
		96G033	12 VDC	A	X		A	CPC-5 Pin
		96G028	24 VDC		X			CPC
		96G011	24 VDC	X	X		X	CPC
		96G012	24 VDC	X		X	X	CPC
		96G034	24 VDC	A	X		A	CPC-5 Pin
		96G029	90-240 VAC		X			DIN
		96G013	90-240 VAC		X		X	DIN
		96G014	90-240 VAC			X	X	DIN
	4 liter	96G135	12 VDC		X			CPC
		96G147	12 VDC	A	X		A	CPC-5 Pin
		96G137	24 VDC		X			CPC
		96G068	24 VDC	X	X		X	CPC
		96G073	24 VDC	X		X	X	CPC
		96G149	24 VDC	A	X		A	CPC-5 Pin
		96G139	90-240 VAC		X			DIN
		96G075	90-240 VAC		X		X	DIN
		96G082	90-240 VAC			X	X	DIN
Oil	8 liter	96G136	12 VDC		X			CPC
		96G148	12 VDC	A	X		A	CPC-5 Pin
		96G138	24 VDC		X			CPC
		96G069	24 VDC	X	X		X	CPC
		96G150	24 VDC	A	X		A	CPC-5 Pin
		96G140	90-240 VAC		X			DIN
		96G158	24 VDC	A	X		A	CPC-5 Pin
		96G076	90-240 VAC		X		X	DIN
	12 liter	96G163	24 VDC	A	X		A	CPC-5 Pin
		96G077	90-240 VAC		X		X	DIN
	16 liter	96G167	24 VDC	A	X		A	CPC-5 Pin
		96G078	90-240 VAC		X		X	DIN
	2 liter	96G070	24 VDC	X	X		X	CPC
		96G079	90-240 VAC		X		X	DIN
		96G071	24 VDC	X	X		X	CPC
		96G080	90-240 VAC		X		X	DIN
	8 liter	96G072	24 VDC	X	X		X	CPC
		96G081	90-240 VAC		X		X	DIN

A = On these Pro Control models the remote manual run input, remote low level warning output and power are combined in the CPC-5 Pin connector and cord.

# G3™ Selection Guide



## G3 Max

Built-in controller with selectable pump on/pump off timer has low warning and shut-down alarm or set up faults to an external alarm. Comes with manual run and password protection with pre-lube function to initiate lube cycle on start-up. Mix and match up to three cycle and pressure switches for custom installations and feedback. Machine count input is ideally suited for inconsistently used equipment. Optional Data Management System™ (DMS) uses a common USB port to quickly configure, store and transfer error log history to Excel® or Notepad® for longer equipment life and performance.

Reservoir Size	Part Number	Voltage	# of Cycle/ Press. Input	Machine Count	Vent Valve Output*	Alarm Output	Manual Run	Wiper Arm	Follower Plate	External Low Level	Power Connection
2 liter	96G030	12 VDC	1					X		X	CPC
	96G021	12 VDC	1-3	X	X	X	X	X		X	DIN
	96G035	12 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G031	24 VDC	1					X		X	CPC
	96G017	24 VDC	1		X		X	X		X	CPC
	96G018	24 VDC	1		X		X		X	X	CPC
	96G036	24 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G023	24 VDC	1-3	X	X	X	X	X		X	DIN
	96G024	24 VDC	1-3	X	X	X	X		X	X	DIN
	96G032	90-240 VAC	1					X		X	DIN
	96G019	90-240 VAC	1		X			X		X	DIN
	96G020	90-240 VAC	1		X				X	X	DIN
	96G025	90-240 VAC	1-3	X	X	X	X	X		X	DIN
	96G026	90-240 VAC	1-3	X	X	X	X		X	X	DIN
	96G037	90-240 VAC	1			X		X		X	DIN
Grease	96G141	12 VDC	1					X		X	CPC
	96G159	12 VDC	1	X		A	A	X		A	CPC-5 Pin
	96G151	12 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G096	12 VDC	1-3	X	X	X	X	X		X	DIN
	96G143	24 VDC	1					X		X	CPC
	96G088	24 VDC	1		X		X	X		X	CPC
	96G090	24 VDC	1		X		X		X	X	CPC
	96G160	24 VDC	1	X		A	A	X		A	CPC-5 Pin
	96G155	24 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G103	24 VDC	1-3	X	X	X	X	X		X	DIN
	96G113	24 VDC	1-3	X	X	X	X		X	X	DIN
	96G145	90-240 VAC	1					X		X	DIN
	96G092	90-240 VAC	1		X			X		X	DIN
	96G094	90-240 VAC	1		X				X	X	DIN
	96G118	90-240 VAC	1-3	X	X	X	X	X		X	DIN
	96G128	90-240 VAC	1-3	X	X	X	X		X	X	DIN
8 liter	96G142	12 VDC	1					X		X	CPC
	96G152	12 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G097	12 VDC	1-3	X	X	X	X	X		X	DIN
	96G144	24 VDC	1					X		X	CPC
	96G089	24 VDC	1		X		X	X		X	CPC
	96G156	24 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G104	24 VDC	1-3	X	X	X	X	X		X	DIN
	96G093	90-240 VAC	1		X			X		X	DIN
12 liter	96G146	90-240 VAC	1					X		X	DIN
	96G119	90-240 VAC	1-3	X	X	X	X	X		X	DIN
	96G164	24 VDC	1		X	A	A	X		A	CPC-5 Pin
16 liter	96G105	24 VDC	1-3	X	X	X	X	X		X	DIN
	96G120	90-240 VAC	1-3	X	X	X	X	X		X	DIN
16 liter	96G168	24 VDC	1		X	A	A	X		A	CPC-5 Pin
	96G106	24 VDC	1-3	X	X	X	X	X		X	DIN
	96G166	90-240 VAC	1		X			X		X	DIN
	96G121	90-240 VAC	1-3	X	X	X	X	X		X	DIN

\*Requires purchase of a vent valve kit

A = On these Max Control models the remote manual run button input, remote alarm output, remote low level output and power are combined in the CPC-5 Pin connector and cord.

Reservoir Size	Part Number	Voltage	# of Cycle/ Press. Input	Machine Count	Vent Valve Output*	Alarm Output	Manual Run	Wiper Arm	Follower Plate	External Low Level	Power Connection
Oil	2 liter	96G107	24 VDC	1-3	X	X	X	X		X	DIN
		96G122	90-240 VAC	1-3	X	X	X	X		X	DIN
	4 liter	96G108	24 VDC	1-3	X	X	X	X		X	DIN
		96G123	90-240 VAC	1-3	X	X	X	X		X	DIN
	8 liter	96G109	24 VDC	1-3	X	X	X	X		X	DIN
		96G124	90-240 VAC	1-3	X	X	X	X		X	DIN

\*Requires purchase of a vent valve kit

A = On these Max Control models the remote manual run button input, remote alarm output, remote low level output and power are combined in the CPC-5 Pin connector and cord.

## G3 Max with Data Management System

Reservoir Size	Part Number	Voltage	# of Cycle/ Press. Input	Machine Count	Vent Valve Output*	Alarm Output	Manual Run	Wiper Arm	Follower Plate	External Low Level	Power Connection
Grease	2 liter	96G098	12 VDC	1-2	X	X	X	X		X	DIN
		96G110	24 VDC	1-2	X	X	X	X		X	DIN
		96G115	24 VDC	1-2	X	X	X		X	X	DIN
		96G125	90-240 VAC	1-2	X	X	X	X		X	DIN
		96G132	90-240 VAC	1-2	X	X	X		X	X	DIN
	4 liter	96G161	12 VDC	1	X		A	A	X	A	CPC-5 Pin
		96G153	12 VDC	1		X	A	A	X	A	CPC-5 Pin
		96G099	12 VDC	1-2	X	X	X	X		X	DIN
		96G162	24 VDC	1	X		A	A	X	A	CPC-5 Pin
		96G157	24 VDC	1		X	A	A	X	A	CPC-5 Pin
		96G111	24 VDC	1-2	X	X	X	X		X	DIN
		96G116	24 VDC	1-2	X	X	X		X	X	DIN
		96G126	90-240 VAC	1-2	X	X	X	X		X	DIN
	8 liter	96G133	90-240 VAC	1-2	X	X	X		X	X	DIN
		96G154	12 VDC	1		X	A	A	X	A	CPC-5 Pin
		96G100	12 VDC	1-2	X	X	X	X		X	DIN
		96G158	24 VDC	1		X	A	A	X	X	CPC-5 Pin
		96G112	24 VDC	1-2	X	X	X	X		X	DIN
		96G127	90-240 VAC	1-2	X	X	X	X		X	DIN
	12 liter	96G165	24 VDC	1		X	A	A	X	A	CPC-5 Pin
	16 liter	96G169	24 VDC	1		X	A	A	X	A	CPC-5 Pin

\*Requires purchase of a vent valve kit

A = On these Max Control models the remote manual run button input, remote alarm output, remote low level output and power are combined in the CPC-5 Pin connector and cord.

## G3 Accessories

571041	G3 Pump Element Kit – adjustable output	571030	Remote Manual Run/Monitoring Light– 12 VDC	563160	Pressure Relief Valve – 2500 psi, 172 bar
571063	Two Pump Union Kit – joins the output of the left and right pumps	571032	Remote Manual Run/Monitoring Light Kit – 12 VDC, includes cable	563161	Pressure Relief Valve – 3000 psi, 207 bar
571026	Three Pump Union Kit – joins the output of the left and right pumps	571031	Remote Manual Run/Monitoring Light – 24 VDC, 90-240 VAC	124300	Cable – 16 ft, male M12 to flying leads
571061	Vent Valve Kit – 12 VDC, vent valve, adjustable pressure relief, 500-3500 psi (35-241 bar), pressure gauge, zerk fitting	571033	Remote Manual Monitoring Light Run Kit – 24 VDC, 90-240 VAC, includes cable	124333	Cable – 16 ft, male and female M12
571029	Vent Valve Kit – 24 VDC, vent valve, adjustable pressure relief, 500-3500 psi (35-241 bar), pressure gauge, zerk fitting, (also for G3 Max Control AC Pumps)	571058	Pressure Relief-to-Atmosphere Kit – requires pressure relief valve	124640	Alarm Output Cable
571028	Adjustable Return-to-Reservoir Pressure Relief Kit – 500-3500 psi (35-241 bar)	563156	Pressure Relief Valve – 750 psi, 52 bar	124301	M12 Female Connector – 6-8 mm cable
571036	Protective Front Cover Kit	563157	Pressure Relief Valve – 1000 psi, 69 bar	124594	M12 Male Connector – 6-8 mm cable
		563158	Pressure Relief Valve – 1500 psi, 103 bar	124595	M12 Male Connector – 8-11 mm cable
		563159	Pressure Relief Valve – 2000 psi, 138 bar	563485	Proximity Switch
				557829	Pressure Switch

## Contact us today!

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