



G3™ Electric Lubrication Pump

For Series Progressive and Injector-based Systems



PROVEN QUALITY. LEADING TECHNOLOGY.

Big features in a compact pump

Introducing the G3 electric lubrication pump

With its flexible design, including adjustable pump elements and an ability to work with both injector-based and series progressive systems, G3 is a rugged, cost-effective pump designed to serve multiple markets and applications. Three control choices also mean added flexibility for easy lube system set-up, operation and troubleshooting. Extend machinery life, reduce operating costs and increase productivity with a G3 today!



Two-in-one versatility

- Use with Series Progressive or Injector based systems or a combination of both –all from one pump

Series Progressive



Injectors



Powerful pumping performance

- G3 delivers up to 5100 psi (352 bar) for handling NLGI #2 grease, even in cold temperatures

Two reservoir styles to choose from

- Stirring paddle with wiper arm breaks up air pockets and helps prevent grease separation
- Follower plate design allows for operation in any orientation; includes stirring paddle to help prevent grease separation

One, two or three pump elements

- G3 comes standard with one pump installed
- Add up to two more pump elements for higher output on large projects

AC and DC power choices—G3 makes it easy!

- Flexibility to connect to DC (12 or 24v) and AC (90-240v) power sources in both CPC and DIN-style connectors



IP69K

Superior performance through innovative design

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

Every G3 pump has been designed to deliver high performance results in real world application conditions. Changing grease types, changing temperatures, and challenging installation requirements—G3 meets these challenges head-on.



Advanced flow dynamics

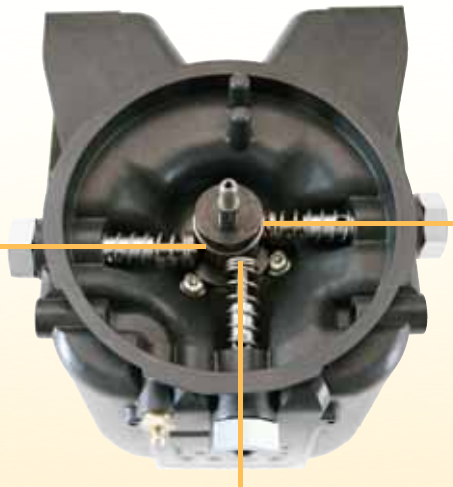
The main base of G3 has been specially contoured to funnel grease directly to the pump inlet. Elimination of sharp edges and corners significantly reduces stagnant flow areas.

- Optimal performance with NLGI #2 grease
- Superior cold temperature output
- Helps prevent grease separation by reducing locations where soaps and grease fillers can accumulate

Adjustable stroke pump

G3 comes standard with an adjustable output pump. Its straight-forward design makes increasing or decreasing the pump displacement as simple as adding or removing a Stroke-Adjust Spacer.

- No need to purchase additional fixed output pump element sizes to meet your specific lube requirements
- No need to purchase a separate, high-priced adjustable output pump—with G3, adjustability comes standard!



Load minimizing drive

Each G3 piston pump element is placed in an offset position relative to the main motor shaft, resulting in maximum pump output performance with less stress and strain on the motor and drive train.

- Longer lasting components in tough applications
- Offset design reduces side loading of the pump's piston which can otherwise lead to premature wear

Industry leading controls

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 and more!
- 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

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 liter
Adjustable Pump Output Per Element Per Minute....	0.12 in ³ , 0.18 in ³ , 0.25 in ³ (2 cm ³ , 3 cm ³ , 4 cm ³)
Lube Type	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

Ordering information

Standard control with two liter grease reservoir

96G000	12 VDC, wiper arm, CPC power connector
96G001	24 VDC, wiper arm, CPC power connector
96G002	90-240 VAC, wiper arm, DIN power connector
96G003	12 VDC, wiper arm, external low level, CPC power connector
96G004	12 VDC, follower plate, external low level, CPC power connector
96G005	24 VDC, wiper arm, external low level, CPC power connector
96G006	24 VDC, follower plate, external low level, CPC power connector
96G007	90-240 VAC, wiper arm, external low level, DIN power connector
96G008	90-240 VAC, follower plate, external low level, DIN power connector

Pro control with two liter grease reservoir

96G027	12 VDC, wiper arm, CPC power connector
96G009	12 VDC, low level, manual run input, wiper arm, CPC power connector
96G010	12 VDC, low level, manual run input, follower plate, CPC power connector
96G028	24 VDC, wiper arm, CPC power connector
96G011	24 VDC, low level, manual run input, wiper arm, CPC power connector
96G012	24 VDC, low level, manual run input, follower plate, CPC power connector
96G029	90-240 VAC, wiper arm, DIN power connector
96G013	90-240 VAC, low level, wiper arm, DIN power connector
96G014	90-240 VAC, low level, follower plate, DIN power connector

Max control with two liter grease reservoir

96G030	12 VDC, low level, single sensor input (cycle/pressure), wiper arm, CPC power connector
96G015	12 VDC, low level, single sensor input (cycle/pressure), vent valve output, wiper arm, CPC power connector
96G016	12 VDC, low level, single sensor input (cycle/pressure), vent valve output, follower plate, CPC power connector
96G031	24 VDC, low level, single sensor input (cycle/pressure), wiper arm, CPC power connector
96G017	24 VDC, low level, single sensor input (cycle/pressure), vent valve output, manual run input, wiper arm, CPC power connector
96G018	24 VDC, low level, single sensor input (cycle/pressure), vent valve output, manual run input, follower plate, CPC power connector
96G032	90-240 VAC, low level, single sensor input (cycle/pressure), wiper arm, DIN power connector
96G019	90-240 VAC, low level, single sensor input (cycle/pressure), vent valve output, wiper arm, DIN power connector

96G020	90-240 VAC, low level, single sensor input (cycle/pressure), vent valve output, follower plate, DIN power connector
96G021	12 VDC, low level, three sensor inputs (combination cycle/pressure), machine count, vent valve output, alarm output, manual run input, wiper arm, DIN power connector
96G022	12 VDC, low level, three sensor inputs (combination cycle/pressure), machine count, vent valve output, alarm output, manual run input, follower plate, DIN power connector
96G023	24 VDC, low level, three sensor inputs (combination cycle/pressure), machine count, vent valve output, alarm output, manual run input, wiper arm, DIN power connector
96G024	24 VDC, low level, three sensor inputs (combination cycle/pressure), machine count, vent valve output, alarm output, manual run input, follower plate, DIN power connector
96G025	90-240 VAC, low level, three sensor inputs (combination cycle/pressure), machine count, vent valve output, alarm output, manual run input, wiper arm, DIN power connector
96G026	90-240 VAC, low level, three sensor inputs (combination cycle/pressure), machine count, vent valve output, alarm output, manual run input, follower plate, DIN power connector

Accessories

571063	Two pump union kit—joins the output of the left and right pumps
571026	Three pump union kit—joins the output of the left, right, and center pumps
571061	Vent valve kit, 12 VDC—vent valve, adjustable pressure relief (500-5000 psi, 35-345 bar), pressure gauge, zerk fitting
571029	Vent valve kit, 24 VDC/90-240 VAC—vent valve, adjustable pressure relief (500-5000 psi, 35-345 bar), pressure gauge, zerk fitting. Also for G3 Max control AC pumps.
571028	Adjustable return to reservoir pressure relief kit (500-5000 psi, 35-345 bar)
571036	Protective front cover kit
571041	G3 pump element kit (adjustable output)
571032	Remote manual run kit 12 VDC
571033	Remote manual run kit 24 VDC/90-240 VAC
571058	Pressure relief to atmosphere kit. Requires pressure relief valve sold below.

Pressure relief valve required for 571058:

563156	750 psi (52 bar)
563157	1000 psi (69 bar)
563158	1500 psi (103 bar)
563159	2000 psi (138 bar)
563160	2500 psi (172 bar)
563161	3000 psi (207 bar)

For additional accessories go to www.graco.com



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.

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