

# Electric Pumps

## G3™ Pumps

### Versatile Design Helps Solve Today's Lubrication Challenges

Temperature changes, changing grease types and challenging installation requirements are no problem for 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. The pump features three control choices, which means added flexibility for easy lube system set-up, operation and troubleshooting. The pump extends machinery life, reduces operating costs and increases productivity for usage in a wide variety of markets, including in-plant manufacturing, mobile and wind turbines.

### Features and Benefits

- Advanced flow dynamics—helps to prevent grease separation
- Load minimizing drive—for longer life
- Adjustable stroke pump—ensures a custom fit
- Five reservoir sizes to select from—provides a custom fit
- The most advanced user controls in its class—allows you to customize for your unique needs

### Typical Applications

- On-Road
- Off-Road
- In-Plant Machine and Conveyor Lubrication
- Wind Energy

### Lubrication Used

- Oil
- NLGI #000 to NLGI #2

### Technical Specifications

Max Pressure . . . . .	.5,100 psi (352 bar)
Power . . . . .	12 VDC, 24 VDC, 90-240 VAC
Operating Temperature . . . . .	-40° F to 158° F (-40° C to 70° C)
Reservoir Size . . . . .	2, 4, 8, 12 or 16 liter
Maximum Run Time . . . . .	30 minutes
Control Options . . . . .	Standard, Pro or Max
Output per Element /Min. . . . .	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> )
Certifications/Ratings . . . . .	CE, ETL*, IP69K
	*Conforms to UL 73, certified to CSA 22.2 No 68-09
Instruction Manual . . . . .	3A0414

### G3 with 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



Standard Model



Pro Model



Max Model



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### G3 Standard

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

	Voltage	Reservoir Size					Wiper Arm	Follower Plate	External Low Level	Power Connection	
		2 liter	4 liter	8 liter	12 liter	16 liter					
Application	Grease	12 VDC	96G000	96G038	96G039	–	–	•			CPC
			96G003	96G044	96G045	–	–	•		•	CPC
		24 VDC	96G001	96G040	96G041	96G171	96G172	•			CPC
			96G005	96G048	96G049	96G199	–	•		•	CPC
			96G006	96G053	96G192	–	–		•	•	CPC
			96G182	96G184	96G189	–	–	•		•	DIN
	–	96G204	96G205	–	–		•	•	DIN		
	90-240 VAC	96G002	96G042	96G043	–	–	•			DIN	
		96G007	96G055	96G056	96G057	96G058	•		•	DIN	
		96G008	96G062	–	–	–		•	•	DIN	
		–	96G202	–	–	–	•		• DIN	DIN	
	Oil	24 VDC	96G050	96G051	96G052	–	–			•	CPC
90-240 VAC		96G059	96G060	96G061	–	–			•	DIN	



### G3 Pro

Built-in controller with selectable pump on/pump off timer comes with local manual run and password protection with pre-lube function to initiate lube cycle on start-up. Optional low level sensing, warning and shut-down alarm available as well as remote manual run.

	Voltage	Reservoir Size					M12 Connection for Remote*	Wiper Arm	Follower Plate	Low Level	Power Connection	
		2 liter	4 liter	8 liter	12 liter	16 liter						
Application	Grease	12 VDC	96G027	96G135	96G136	–	–		•			CPC
			96G033	96G147	96G148	–	–		•		•	5 Wire CPC**
		24 VDC	96G028	96G137	96G138	–	–		•			CPC
			96G011	96G068	96G069	–	–	•	•		•	CPC
			96G012	96G073	–	–	–	•		•	•	CPC
			96G034	96G149	96G150	96G163	96G167		•		•	5 Wire CPC**
	–	96G196	–	–	–		•				DIN	
	–	–	96G194	–	–			•	•	•	5 Wire CPC**	
	90-240 VAC	96G029	96G139	96G140	–	–		•				DIN
		96G013	96G075	96G076	96G077	96G078		•		•	•	DIN
		96G014	96G082	–	–	–			•	•	•	DIN
	Oil	24 VDC	96G070	96G071	96G072	–	–	•			•	CPC
90-240 VAC		96G079	96G080	96G081	–	–				•	DIN	

\*G3 Pro pumps with the M12 connection for Remote Manual Run/Monitoring Light use the kit with the connecting cable to provide external low level indication. Choose part number 571032 for 12 VDC pumps or 571033 for 24 VDC and AC pumps.

\*\*G3 Pro pumps with the 5 Wire CPC power connection are compatible with a Remote Manual Run/Monitoring Light Device to provide external low level indication. Choose part number 571030 for 12 VDC pumps or 571031 for 24 VDC pumps.

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### G3 Max

Built-in controller with selectable pump on/pump off timer has low level 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.

Application	Voltage	Reservoir Size					Number of Cycle/ Pressure Input	Machine Count	Vent Valve Output*	DIN Alarm Output**	M12 Connection for Remote***	Wiper Arm	Follower Plate	Low Level	Power Connection	
		2 liter	4 liter	8 liter	12 liter	16 liter										
Grease	12 VDC	96G030	96G141	96G142	-	-	1					•		•	CPC	
		96G021	96G096	96G097	-	-	1-3	•	•	•	•	•		•	DIN	
		96G035	96G151	96G152	-	-	1		•				•		5 Wire CPC†	
		-	96G159	-	-	-	1	•					•		5 Wire CPC†	
	24 VDC	96G031	96G143	96G144	-	-	1						•		•	CPC
		96G017	96G088	96G089	-	-	1		•		•		•		•	CPC
		96G018	96G090	-	-	-	1		•		•			•	•	CPC
		96G036	96G155	96G156	96G164	96G168	1		•				•			5 Wire CPC†
		96G023	96G103	96G104	96G105	96G106	1-3	•	•	•	•	•	•		•	DIN
		96G024	96G113	-	-	-	1-3	•	•	•	•			•	•	DIN
		96G178	-	-	-	-	1			•			•		•	DIN
		-	96G160	-	-	-	1	•					•			5 Wire CPC†
	90-240 VAC	96G032	96G145	96G146	-	-	1						•		•	DIN
		96G019	96G092	96G093	-	96G166	1		•				•		•	DIN
		96G020	96G094	-	-	-	1		•					•	•	DIN
		96G025	96G118	96G119	96G120	96G121	1-3	•	•	•	•	•	•		•	DIN
		96G026	96G128	96G197	-	-	1-3	•	•	•	•			•	•	DIN
		96G037	96G183	-	-	-	1			•			•		•	DIN
	Oil	24 VDC	96G107	96G108	96G109	-	-	1-3	•	•	•	•			•	DIN
		90-240 VAC	96G122	96G123	96G124	-	-	1-3	•	•	•	•			•	DIN

\*If not connected, use part number 16T854 to cover the Vent Valve Output and maintain IP69K rating.

\*\*The DIN Alarm Output is a dry contact relay which opens or closes when a fault is detected. This relay acts as a switch but supplies no power. It requires external power to energize the circuit when closed. If not connected, use part number 24P731 to cover the DIN connector and maintain IP69K rating.

\*\*\*G3 Max pumps with the M12 connection for Remote Manual Run/Monitoring Light use the kit with the connecting cable to provide external fault indication. Choose part number 571032 for 12 VDC pumps or 571033 for 24 VDC and AC pumps.

†G3 Max pumps with the 5 Wire CPC power connection are compatible with a Remote Manual Run/Monitoring Light Device to provide external fault indication. Choose part number 571030 for 12 VDC pumps or 571031 for 24 VDC pumps.

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### G3 Max with Data Management System

	Voltage	Reservoir Size					Number of Cycle/ Pressure Input	Machine Count	Vent Valve Output*	DIN Alarm Output**	M12 Connection for Remote***	Wiper Arm	Follower Plate	Low Level	Power Connection	
		2 liter	4 liter	8 liter	12 liter	16 liter										
Application	Grease	12 VDC	-	96G161	-	-	-	1	•						DIN	
			-	96G153	-	-	-	1		•					5 Wire CPC†	
			96G098	96G099	96G100	-	-	1-2	•	•	•	•	•	•	DIN	
			-	-	96G154	-	-	1		•						5 Wire CPC†
		24 VDC	96G110	96G111	96G112	-	-	1-2	•	•	•	•	•	•	•	DIN
			96G115	96G116	-	-	-	1-2	•	•	•	•		•	•	DIN
			-	96G162	-	-	-	1	•				•			5 Wire CPC†
	90-240 VAC	-	96G157	96G158	96G165	96G169	1		•				•		5 Wire CPC†	
		96G125	96G126	96G127	-	-	1-2	•	•	•	•	•	•	•	DIN	
	Oil	12 VDC	-	-	-	96G186	-	1	•				•		•	5 Wire CPC†
			-	96G188	96G195	-	-	1	•				•		•	5 Wire CPC†
		24 VDC	96G190	-	-	-	96G201	1-2	•	•	•	•	•	•	•	DIN
			96G174	96G175	96G176	-	-	1-2	•	•	•	•	•	•	•	DIN
		90-240 VAC														

\*If not connected, use part number 16T854 to cover the Vent Valve Output and maintain IP69K rating.

\*\*The DIN Alarm Output is a dry contact relay which opens or closes when a fault is detected. This relay acts as a switch but supplies no power. It requires external power to energize the circuit when closed. If not connected, use part number 24P731 to cover the DIN connector and maintain IP69K rating.

\*\*\*G3 Max pumps with the M12 connection for Remote Manual Run/Monitoring Light use the kit with the connecting cable to provide external fault indication. Choose part number 571032 for 12 VDC pumps or 571033 for 24 VDC and AC pumps.

†G3 Max pumps with the 5 Wire CPC power connection are compatible with a Remote Manual Run/Monitoring Light Device to provide external fault indication. Choose part number 571030 for 12 VDC pumps or 571031 for 24 VDC pumps.

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### G3 Pumps with Auto-Fill Shutoff

Versatile line of G3 Pumps (Standard, Pro, and Max) offered with a factory installed Auto-Fill Shutoff (AFSO). The AFSO feature automatically shuts off lubricant flow from a fill pump to the G3 reservoir once the G3 reservoir is full. The G3 AFSO is based on the same design concept as the Auto-Fill Shutoff offered in conjunction with the robust Electric Dyna-Star product line. Eliminate the need to climb up on equipment to refill an empty reservoir by adding Remote Fill Manifold 77X542 to your system at ground level.

### Features and Benefits

- Eliminates Over- or Under-Filling
  - Completely fill the reservoir every time while avoiding costly spills
  - Does not require power to operate
  - Complies with stringent mining regulations where a system must be powered down during fluid refilling
  - Compatible with fast-fill-equipped lubrication trucks
  - Reservoir Full Visual Indication
  - Follower Plate activates a poppet valve, which cuts off grease flow into the reservoir
- Reservoir Full Visual Indication
  - Follower Plate activates a poppet valve, which cuts off grease flow into the reservoir
  - Poppet indicator can incorporate a signal switch for ground level monitoring

	Voltage	G3 Model	Reservoir Size		Number of Cycle/ Pressure Input	Vent Valve Output*	Wiper Arm	Low Level	Power Connection
			4 liter	8 liter					
Application Grease	24 VDC	Standard	96G210	96G213			•	•	DIN
			–	96G217			•	•	5 Wire CPC <sup>***</sup>
		Pro	96G211	96G214			•	•	5 Wire CPC <sup>**</sup>
		Max	96G212	96G215	1	•	•	•	5 Wire CPC <sup>**</sup>
	90-240 VAC	Standard	–	96G207			•	•	DIN
		Pro	–	96G208			•	•	DIN
Max		–	96G209	1	•	•	•	DIN	

\*If not connected, use part number 16T854 to cover the Vent Valve Output and maintain IP69K rating.

\*\*G3 Max pumps with the 5 Wire CPC power connection are compatible with a Remote Manual Run/Monitoring Light Device to provide external fault indication. Choose part number 571030 for 12 VDC pumps or 571031 for 24 VDC pumps.

\*\*\*Low level in CPC.