

Graco G-Series Pump Comparison Guide



	G-Mini Pump	G1 Pump	G3 Pump
Reservoir	0.5 and 1 L Include stir paddle and follower plate	2, 4 and 8 L Include stir paddle; follower plate available	2, 4, 8, 12, 16 and 20 L Include stir paddle; follower plate available
Fluids	Grease up to NLGI #2	Oil, Grease up to NLGI #2	Oil, Grease up to NLGI #2
Power Source	12 VDC or 24 VDC	90-230 VAC, 12 VDC or 24 VDC	90-230 VAC, 12 VDC or 24 VDC
Control	Standard and Controller	Standard and Plus	Standard, Pro, SP, Max
Control Features	<p>One controller with 2 options:</p> <p>Time-Based:</p> <ul style="list-style-type: none"> • 1 to 30 min on time in 1-min increments • 15 min to 99 hr off time in 15-min increments up to 1 hr and then 1-hr increments from 1 to 99 hr • Manual run • Pin code • Low-level alert and alarm shutdown • Pre-lube <p>Cycle-Based:</p> <ul style="list-style-type: none"> • 1 to 99 cycles • 15 min to 99 hr off time in 15-min increments up to 1 hr and then 1-hr increments from 1 to 99 hr • Manual run • Pin code • Low-level alert and alarm shutdown • Pre-lube 	<p>Plus controller:</p> <ul style="list-style-type: none"> • 1 to 30 min on time in 1-min increments • 1 to 24 hr off time in 1-hr increments • Manual run • Pin code • Low-level shut down 	<p>Pro and Max controllers:</p> <ul style="list-style-type: none"> • 1 sec to 30 min on time • 1 min to 99 hr 59 min off time • Manual run • Pin code • Low-level alert and alarm shutdown • Machine count • Pre-lube • 1 to 3 monitoring inputs for cycle or pressure* • DMS* <p>*Max controller only</p> <p>SP controller:</p> <ul style="list-style-type: none"> • 1 to 99 cycles • 15 min to 8 hr off time in 15-min increments • 1 input for cycle • Manual run • Pin code • Low-level alert and alarm shutdown • Pre-lube
Power Cord	CPC; sold separately	DIN or CPC; sold separately	DIN or CPC; included
Pump Element	2 maximum; 1 factory-installed	1 maximum; 1 factory-installed	3 maximum; 1 factory-installed
Output Per Pump	0.18 in ³ (3 cm ³) / min	0.25 in ³ (4 cm ³) / min	0.25 in ³ (4 cm ³) / min
Maximum Working Pressure	4,100 psi (28 MPa, 280 bar)	5,100 psi (35 MPa, 352 bar)	5,100 psi (35 MPa, 352 bar)
Metering Device	Series Progressive	Series Progressive	Series Progressive or Single Line Parallel (with addition of a G3 Vent Valve)
Monitoring	Controller can monitor 1 zone for cycles	None	SP controller can monitor 1 sensor for cycles; Max controller can monitor up to 3 independent sensors for cycles or pressure
Proximity or Cycle Switch Type	PNP	Pump has no cycle input	PNP or NPN
Electric Motor	Inline gear box	Load minimizing drive with offset cam design	Load minimizing drive with offset cam design
Accessories	Uses most G3 accessories including pressure relief, power cables, high flow fill stud, 5-gallon fill pump	Uses most G3 accessories including pressure relief, power cables, high-flow fill stud, 5-gallon fill pump	See G3 Accessories in ILE Buyer's Guide (https://www.graco.com/us/en/search.html?q=340821&group=&tab=document)