



GL-1 Injector Series

Automatic Lubrication Systems



PROVEN QUALITY. LEADING TECHNOLOGY.

GL-1 Series Injectors – Heavy-Duty Performance

Graco quality provides consistent performance in rugged environments.

- More operating pressure to the grease point
- No vent holes to leak lubricants
- Fully-enclosed press fittings

Injector Covers

Clear, polycarbonate covers protect cycle pin indicators from contamination. (Included with GL-1 X and GL-1 XL models)

Hex-Head Adjustment Nut

Heavy-duty hex-head nut makes output adjustments simple.

Unibody Design

Rugged, single-piece body for use in harsh environments.

GL-1 Manifold

414bar (6.000psi), 3/8" NPT port manifolds fit pre-existing mounting patterns.

Output Spectrum Sleeves

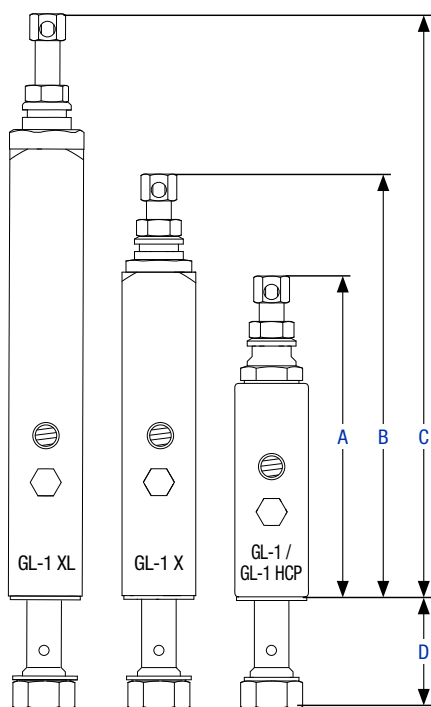
Colour-coded spacers enable simple, targeted output volume.



Technical Specifications

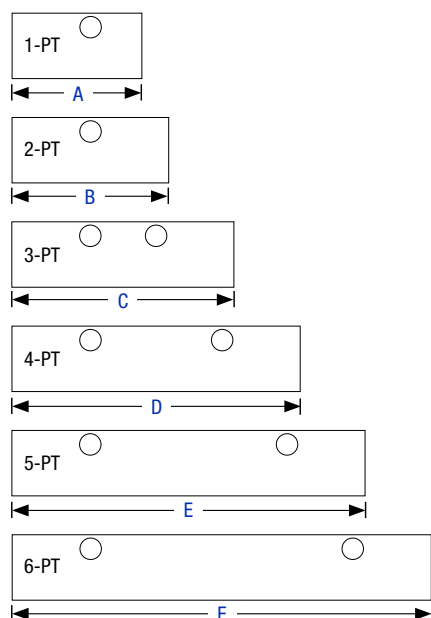
	GL-1 / GL-1 HCP	GL-1 X	GL-1 XL
Maximum operating pressure	241bar (3.500psi)	414bar (6.000psi)	414bar (6.000psi)
Minimum operating pressure	128bar (1.850psi)	128bar (1.850psi)	128bar (1.850psi)
Reset pressure	41bar (600psi)	69bar(1.000psi)	69bar(1.000psi)
Output volume per cycle	0.13 – 1.31 c ³ (0.008 – 0.08 in ³)	0.25 – 1.31 c ³ (0.015 – 0.08 in ³)	0.57 – 5.0 c ³ (0.035 – 0.305 in ³)

Ordering Information



GL-1 Injector Dimensions

A	134.6 mm (5.3 in)
B	175.3 mm (6.9 in)
C	241.3 mm (9.5 in)
D	43.2 mm (1.7 in)



GL-1 Manifold Dimensions

A	63.5 mm (2.5 in)
B	76.2 mm (3.0 in)
C	106.7 mm (4.2 in)
D	139.7 mm (5.5 in)
E	170.2 mm (6.7 in)
F	203.2 mm (8.0 in)

GL-1 Injectors and Manifold Assemblies

	GL-1	GL-1 HCP	GL-1 X	GL-1 XL
One-point assembly	114901	24X401	24X801	24X811
Two-point assembly	114902	24X402	24X802	24X812
Three-point assembly	114903	24X403	24X803	24X813
Four-point assembly	114904	24X404	24X804	24X814
Five-point assembly	114905	24X405	24X805	24X815
Six-point assembly	117206	24X406	24X806	24X816
Single replacement injector, no manifold	114909	24X153	24X807	24X817

Injector Accessories

	GL-1	GL-1 HCP	GL-1 X	GL-1 XL
Injector cover kit, polycarbonate	17L754	17L754	17L754*	17L755*
Injector crossport kit	115120	—	115120	115120

*Included with every GL-1 X and GL-1 XL injector.

Output Spectrum Sleeves

GL-1 Output Target cc (in ³)	Output Target Ratio		Colour	10-Pack Part Number
	From Minimum	From Maximum		
GL-1 Injectors				
0.1 (0.01)	1.0	0.10	N/A	N/A
0.5 (0.03)	2.0	0.50	Red	17K601
0.8 (0.05)	3.0	0.60	Silver	17K602
1.0 (0.06)	4.0	0.80	Gold	17K603
1.3 (0.08)	5.0	1.00	Green	17K604
GL-1 X Injectors				
0.3 (0.01)	1.0	0.20	N/A	N/A
0.5 (0.03)	2.0	0.40	Red	17K601
0.7 (0.04)	3.0	0.50	Silver	17K602
0.8 (0.06)	3.3	0.60	Gold	17K603
1.2 (0.07)	5.0	0.75	Green	17K604
GL-1 XL Injectors				
0.6 (0.04)	1.0	0.10	N/A	N/A
0.8 (0.05)	1.5	0.15	Red	17K601
1.0 (0.06)	2.1	0.25	Silver	17K602
1.5 (0.09)	2.8	0.30	Gold	17K603
2.0 (0.12)	3.4	0.40	Green	17K604
2.0 (0.13)	3.9	0.45	Black	17N453
2.5 (0.15)	4.3	0.50	Purple	17N454
3.0 (0.18)	5.4	0.60	Blue	17N455
3.5 (0.21)	6.4	0.75	Orange	17N456
4.0 (0.24)	7.5	0.90	Brown	17N457
5.0 (0.30)	8.6	1.00	Yellow	17N458





ABOUT GRACO

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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All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



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