



First choice when
quality counts.™

Model 510™ Airless Spray Gun

- Low maintenance
- Easy to flush
- Simple to use



236-995

**Model 510
has the
high pressures
you need for
the quality,
performance,
and durability
you need for
the toughest
of job sites**

Graco's Model 510 is the heavy duty airless spray gun you will want to use when spraying the toughest of fluids from Graco's higher pressure pumps. With maximum spray pressure of 7400 psi (510 bar, 51.0 MPa), this gun gives you the additional power needed for maintaining the quality you demand. With the spring outside of the fluid path, the Model 510 gun is low maintenance and easy to flush.

See the inside Tip Selection Chart for additional tip sizes that your spraying needs may require.

Typical Applications

- Ship and barge construction
- Off-shore platforms
- Railcars and other transport vehicles
- Public works facilities
- Bridges / roofs
- Water / oil tanks
- Transportation containers
- Industrial metal structures fabrication

Typical Fluids Handled

- Epoxy primers
- Epoxy mastics
- Waterproof coatings
- Fireproof coatings
- Polysulphide coatings
- Polyester resin coatings
- High solids, high viscosity coatings
- Polyurethane top coats
- Anti-fouling ship coatings

Tip Selection Chart

Orifice Size	Fan Width at 12 in.	Flow Rate*	HD RAC Tip Part No.	Orifice Size	Fan Width at 12 in.	Flow Rate*	HD RAC Tip Part No.
Inches (mm)	Inches (mm)	U.S. gpm (l/min)	(GHD-xxx)	Inches (mm)	Inches (mm)	U.S. gpm (l/min)	(GHD-xxx)
0.007 (0.178)	2-4 (50-100)	0.052 (0.20)	GHD-307	0.021 (0.533)	2-4 (50-100)	0.47 (1.79)	GHD-121
	6-8 (150-200)				4-6 (100-150)		
0.009 (0.229)	2-4 (50-100)	0.087 (0.33)	GHD-109	0.023 (0.584)	6-8 (150-200)	0.57 (2.15)	GHD-321
	4-6 (100-150)		GHD-209		8-10 (200-250)		GHD-421
	6-8 (150-200)		GHD-309		10-12 (250-300)		GHD-521
	8-10 (200-250)		GHD-409		12-14 (300-350)		GHD-621
	10-12 (250-300)		GHD-509		14-16 (350-400)		GHD-721
	12-14 (300-350)		GHD-609		16-18 (400-460)		GHD-821
0.011 (0.279)	2-4 (50-100)	0.13 (0.49)	GHD-111	0.025 (0.635)	6-8 (150-200)	0.67 (2.54)	GHD-323
	4-6 (100-150)		GHD-211		8-10 (200-250)		GHD-423
	6-8 (150-200)		GHD-311		10-12 (250-300)		GHD-523
	8-10 (200-250)		GHD-411		12-14 (300-350)		GHD-623
	10-12 (250-300)		GHD-511		14-16 (350-400)		GHD-723
	12-14 (300-350)		GHD-611		16-18 (400-460)		GHD-823
0.013 (0.330)	14-16 (350-400)	0.18 (0.69)	GHD-711	0.027 (0.686)	18-20 (460-508)	0.78 (2.96)	GHD-923
	2-4 (50-100)		GHD-113		4-6 (100-150)		GHD-225
	4-6 (100-150)		GHD-213		6-8 (150-200)		GHD-325
	6-8 (150-200)		GHD-313		8-10 (200-250)		GHD-425
	8-10 (200-250)		GHD-413		10-12 (250-300)		GHD-525
	10-12 (250-300)		GHD-513		12-14 (300-350)		GHD-625
0.015 (0.381)	12-14 (300-350)	0.24 (0.91)	GHD-613	0.029 (0.737)	14-16 (350-400)	0.90 (3.42)	GHD-725
	14-16 (350-400)		GHD-713		16-18 (400-460)		GHD-825
	16-18 (400-460)		GHD-813		18-20 (460-508)		GHD-927
	2-4 (50-100)		GHD-115		6-8 (150-200)		GHD-329
	4-6 (100-150)		GHD-215		8-10 (200-250)		GHD-429
	6-8 (150-200)		GHD-315		10-12 (250-300)		GHD-529
0.017 (0.432)	8-10 (200-250)	31.0 (1.17)	GHD-415	0.031 (0.787)	12-14 (300-350)	1.03 (3.90)	GHD-629
	10-12 (250-300)		GHD-515		14-16 (350-400)		GHD-729
	12-14 (300-350)		GHD-615		16-18 (400-460)		GHD-829
	14-16 (350-400)		GHD-715		18-20 (460-508)		GHD-931
	16-18 (400-460)		GHD-815		4-6 (100-150)		GHD-231
	18-20 (460-508)		GHD-917		6-8 (150-200)		GHD-331
0.019 (0.483)	2-4 (50-100)	0.39 (1.47)	GHD-119	0.033 (0.828)	8-10 (200-250)	1.17 (4.42)	GHD-431
	4-6 (100-150)		GHD-219		10-12 (250-300)		GHD-531
	6-8 (150-200)		GHD-319		12-14 (300-350)		GHD-631
	8-10 (200-250)		GHD-419		14-16 (350-400)		GHD-731
	10-12 (250-300)		GHD-519		16-18 (400-460)		GHD-831
	12-14 (300-350)		GHD-619		18-20 (460-508)		GHD-933
0.019 (0.483)	14-16 (350-400)	0.39 (1.47)	GHD-719	0.033 (0.828)	6-8 (150-200)	1.17 (4.42)	GHD-333
	16-18 (400-460)		GHD-819		8-10 (200-250)		GHD-433
					10-12 (250-300)		GHD-533
					12-14 (300-350)		GHD-633
					14-16 (350-400)		GHD-733
					16-18 (400-460)		GHD-833
		18-20 (460-508)	GHD-933				

Flow rate established with water at 2000 psi (138 bar, 13.8 MPa) at the tip.

Tip Selection Chart (cont'd)

Orifice Size <i>Inches</i> <i>(mm)</i>	Fan Width at 12 in. (300 mm) <i>Inches</i> <i>(mm)</i>	Flow Rate* <i>U.S. gpm</i> <i>(l/min)</i>	HD RAC Tip Part No. (GHD-xxx)	Orifice Size <i>Inches</i> <i>(mm)</i>	Fan Width at 12 in. (300 mm) <i>Inches</i> <i>(mm)</i>	Flow Rate* <i>U.S. gpm</i> <i>(l/min)</i>	HD RAC Tip Part No. (GHD-xxx)
0.035 (0.889)	4-6 (100-150)	1.31	GHD-235	0.051 (1.295)	6-8 (150-200)	2.79	GHD-351
	6-8 (150-200)	(4.98)	GHD-335		8-10 (200-250)	(10.6)	GHD-451
	8-10 (200-250)		GHD-435		10-12 (250-300)		GHD-551
	10-12 (250-300)		GHD-535		12-14 (300-350)		GHD-651
	12-14 (300-350)		GHD-635		14-16 (350-400)		GHD-751
	14-16 (350-400)		GHD-735		16-18 (400-460)		GHD-851
	16-18 (400-460)		GHD-835				
0.037 (0.940)	4-6 (100-150)	1.47	GHD-337	0.053 (1.346)	10-12 (250-300)	3.01	GHD-553
	6-8 (150-200)	(5.56)	GHD-437	14-16 (350-400)	(11.41)	GHD-753	
	8-10 (200-250)		GHD-537	0.055 (1.397)	6-8 (150-200)	3.21	GHD-355
	10-12 (250-300)		GHD-637	8-10 (200-250)	(12.29)	GHD-455	
	12-14 (300-350)		GHD-737	10-12 (250-300)		GHD-555	
	14-16 (350-400)		GHD-837	12-14 (300-350)		GHD-655	
	16-18 (400-460)		GHD-937	14-16 (350-400)		GHD-755	
0.039 (0.991)	4-6 (100-150)	1.63	GHD-239	16-18 (400-460)		GHD-855	
	6-8 (150-200)	(6.18)	GHD-339	0.057 (1.448)	10-12 (250-300)	3.49	GHD-557
	8-10 (200-250)		GHD-439	12-14 (300-350)	(13.2)	GHD-657	
	10-12 (250-300)		GHD-539	0.059 (1.499)	10-12 (250-300)	3.74	GHD-559
	12-14 (300-350)		GHD-639	12-14 (300-350)	(14.14)	GHD-659	
	14-16 (350-400)		GHD-739	0.061 (1.549)	8-10 (200-250)	3.99	GHD-461
	16-18 (400-460)		GHD-839	10-12 (250-300)	(15.12)	GHD-561	
0.041 (1.041)	4-6 (100-150)	1.80	GHD-341	12-14 (300-350)		GHD-661	
	6-8 (150-200)	(6.83)	GHD-441	14-16 (350-400)		GHD-761	
	8-10 (200-250)		GHD-541	16-18 (400-460)		GHD-861	
	10-12 (250-300)		GHD-641	0.063 (1.600)	8-10 (200-250)	4.26	GHD-463
	12-14 (300-350)		GHD-741	10-12 (250-300)	(16.13)	GHD-563	
	14-16 (350-400)		GHD-841	12-14 (300-350)		GHD-663	
	16-18 (400-460)			14-16 (350-400)		GHD-763	
0.043 (1.092)	6-8 (150-200)	1.99	GHD-343	16-18 (400-460)		GHD-863	
	8-10 (200-250)	(7.51)	GHD-443	0.065 (1.651)	8-10 (200-250)	4.53	GHD-465
	10-12 (250-300)		GHD-543	10-12 (250-300)	(17.17)	GHD-565	
	12-14 (300-350)		GHD-643	12-14 (300-350)		GHD-665	
	14-16 (350-400)		GHD-743	0.067 (1.702)	8-10 (200-250)	4.82	GHD-467
	16-18 (400-460)		GHD-843	10-12 (250-300)	(18.24)	GHD-567	
				12-14 (300-350)		GHD-667	
0.045 (1.143)	6-8 (150-200)	2.17	GHD-345	14-16 (350-400)		GHD-767	
	8-10 (200-250)	(8.21)	GHD-445	16-18 (400-460)		GHD-867	
	10-12 (250-300)		GHD-545	0.069 (1.753)	12-14 (300-350)	5.11	GHD-669
	12-14 (300-350)		GHD-645		(19.36)		
0.047 (1.194)	6-8 (150-200)	2.37	GHD-347	0.071 (1.803)	8-10 (200-250)	5.41	GHD-471
	8-10 (200-250)	(8.98)	GHD-447	10-12 (250-300)	(20.48)	GHD-571	
	10-12 (250-300)		GHD-547	12-14 (300-350)		GHD-671	
	12-14 (300-350)		GHD-647	14-16 (350-400)		GHD-771	
	14-16 (350-400)		GHD-747	0.075 (1.905)	8-10 (200-250)	6.04	GHD-475
	16-18 (400-460)		GHD-847	10-12 (250-300)	(22.85)	GHD-575	
0.049 (1.245)	6-8 (150-200)	2.50	GHD-349	12-14 (300-350)		GHD-675	
	8-10 (200-250)	(9.75)	GHD-449	0.081 (2.057)	8-10 (200-250)	7.04	GHD-481
	10-12 (250-300)		GHD-549		(26.66)		
	12-14 (300-350)		GHD-649				
	14-16 (350-400)		GHD-749				

Flow rate established with water at 2000 psi (138 bar, 13.8 MPa) at the tip.

Technical Specifications

Max. working pressure 7400 psi (510 bar, 51.0 MPa)
Fluid orifice size 0.090 in. (2.3 mm)
Fluid inlet size 1/4 npsm(m)
Fluid tube inside diameter size 0.245 in. (6.2 mm)
Weight (includes tip and tip guard) 25.7 oz. (729 g)
Length 8.25 in. (210 mm)
Height 8.0 in. (203 mm)
Wetted parts tungsten carbide,
17-4ph passivated stainless steel,
polypropylene, polyethylene,
Instruction manual 308-438



Ordering Information

236-995 Model 510 Airless Spray Gun
Includes a Heavy Duty 510 RAC IV Tip Guard
and size 527 SwitchTip.

Accessories for Model 510

237-260 Optional Non-Diffused Needle and Seat Conversion/Repair Kit

Fluid orifice size: 0.125 in. (3.2 mm).
Recommended only for use with mastics, sealers,
and other high viscosity materials which have
fillers that cannot pass through the standard
seat diffuser.

237-260 Needle and Seat Kit Repair Kit

Fluid orifice size: 0.090 in. (2.3 mm).
Comes standard with the Model 510 gun.
Includes valve seat, gasket, needle, seal retainer,
and seal.

236-987 Gun Hose Swivel

Max. working pressure: 7400 psi (510 bar, 51.0 MPa).
1/4 npsm(f) x 1/4 npt(m).