

# G40 Automatic

Automatic Air-Assisted Spray Guns



*G40 Automatic*

*G40 Automatic with manifold*

## Quality finishes and higher production speeds for wood and metal finishing

- Lightweight, durable stainless steel construction
- Enhanced spray tip for uniform atomization and superior finish quality
- AAP precision tips allow for a tighter pattern width and position accuracy
- Increased transfer efficiency resulting from lower fluid and air pressure
- Fewer parts means an overall lower cost of repair
- The indexing aircap provides fast and accurate positioning in either the vertical or horizontal position

# LOADED with high performance features

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Durable stainless steel construction for long life

Lightweight, gun only weighs 1.2 lb (545 grams) (gun and manifold weighs under 2 lb [907 g])

Indexing aircap provides flexible spraying in either the horizontal or vertical position

Unique aircap delivers soft spray

Enhanced tip offers a better spray pattern

AAF Tip provides accurate pattern width and improves transfer efficiency

Quick disconnect air fittings make transitions easier

Variety of manifold choices for greater flexibility

Optional in-line fluid filter prevents tip clogging (not shown)

Interior passages recirculate fluid up to the nozzle – eliminating dead spots

Rear port manifold available for compact applications

G40 Auto is also available with a **Reverse-A-Clean® (RAC®)** spray tip for quick tip cleaning and less downtime

## TYPICAL APPLICATIONS

Wood and furniture • Leather finishing • Metal furniture and fixture manufacturing • Fabricated metal products



# Technical Specifications

Maximum fluid pressure .....	4000 psi (276 bar, 27.6 MPa)
Maximum working air pressure .....	100 psi (7 bar, 0.7 MPa)
Max. cylinder air pressure .....	100 psi (7 bar, 0.7 MPa)
Minimum actuating pressure .....	50 psi (3.5 bar, 0.3 MPa)
Triggering speed.....	60 msec (fully open or close)
Maximum working fluid temperature .....	120°F (49°C)
Wetted parts.....	stainless steel, carbide, UHMWPE, acetal, polyethylene, chemically resistant fluoroelastomer, PTFE, polyimide
Gun weight.....	1.2 lb (545 g)
Gun and manifold weight.....	1.7 lb (770 g)
Air inlet	
Atomizing air.....	3/8 in OD tube
Fan air .....	3/8 in OD tube
Cylinder air .....	1/4 in OD tube
Fluid inlet .....	1/4 in npsm
Dimensions (excluding fittings).....	5.3 in L x 3.0 in H x 2.0 in W (135 mm L x 76 mm H x 51 mm W)
Instruction manual.....	311052

## Ordering Information

- 288046 Standard Gun**  
Includes carbide needle/ball and carbide diffuser seat.  
AAP precision spray tip of choice is specified when ordered.
- 288044 Acid Catalyst Gun**  
Specially designed to handle low viscosity, non-abrasive or acid-catalyzed materials. Includes a stainless steel needle/ball and an acetal seat. AAP precision spray tip of choice is specified when ordered.
- 288053 Reverse-A-Clean (RAC) Gun**  
Designed with a RAC spray tip to reduce downtime caused by frequent tip clogging. Includes a carbide needle and seat, tip guard aircap and a choice of LTX spray tip.

### Manifolds *(A manifold is required for each gun to be installed)*

- 288221 Manifold with bottom fluid ports**
- 288217 Manifold with side fluid ports**
- 288224 Manifold with manual fan control with side fluid ports**
- 288160 Rear Port Manifold**  
Rear exit fluid fitting manifold. Designed for robotic or compact applications
- 288197 Manifold Adapter Plate**  
Allows the manifold to be attached to a variety of bolt patterns

## Accessories

- 249140 HVLP Verification Kit**  
Use to check air cap air pressure at various air supply air pressures. Do not use for actual spraying.
- 249598 Unclogging Needle Kit**  
Kit includes picks for unclogging gun tip
- 15C161 Ultimate Gun Cleaning Kit**  
Kit includes brushes and tools for gun maintenance
- 249424 Acetal Seat Repair Kit**  
Kit includes replacement, acetal seat (pack of 10), and seat nut
- 249456 Carbide Seat Repair Kit**  
Kit includes carbide seat, seat nut and seat gasket
- 287962 SST Seat Repair Kit**  
Kit includes assembled diffuser with SST seat for use with pigmented acid catalyst material
- 253032 Aircap Seal Kit**  
Pack of 5 seals and 5 o-rings for the aircap assembly
- 248936 RAC Acetal Gasket**  
Pack of 5 plastic (acetal) replacement RAC gaskets
- 287917 RAC Conversion Kit**  
Converts a gun from a standard aircap and AAP spray tip to a RAC aircap and LTX spray tip

## TYPICAL FLUIDS HANDLED

Lacquers • Acid catalyzed, solventborne epoxy/polyurethane & waterborne polyurethane materials • Two component catalyzed materials



# Tip Selection Chart

## AAP Tip Chart

All tips in the AAP selection chart can be used with Models 288046 and 288044 G40 guns. Order desired tip (part no AAPxxx) from the selection chart below.

Orifice Size in (mm)	*Fluid Output, fl oz/min (lpm)		Maximum Pattern Width at 12 in (305 mm)						
	at 600 psi (4.1 MPa, 41 bar)	at 1000 psi (7.0 MPa, 70 bar)	4 to 6 (150)	6 to 8 (200)	8 to 10 (250)	10 to 12 (300)	12 to 14 (350)	14 to 16 (400)	16 to 18 (450)
† 0.009 (0.229)	7.0 (0.2)	9.1 (0.27)	209	309	409	509			
† 0.011 (0.279)	10.0 (0.3)	13.0 (0.4)	211	311	411	511	611		
0.013 (0.330)	13.0 (0.4)	16.9 (0.5)	213	313	413	513	613	713	
0.015 (0.381)	17.0 (0.5)	22.0 (0.7)	215	315	415	515	615	715	815
0.017 (0.432)	22.0 (0.7)	28.5 (0.85)		317	417	517	617	717	817
0.019 (0.483)	28.0 (0.8)	36.3 (1.09)			419	519	619	719	
0.021 (0.533)	35.0 (1.0)	45.4 (1.36)			421	521	621		821

†These tip sizes include a 150 mesh tip filter. \*Tips are tested in water

## AAF Tip Chart

Recommended for high finish quality applications at low and medium pressure. AAF tips have a pre-orifice which assists in atomizing shear thinning materials, including lacquers. Order desired tip (part no. AAFxxx).

Orifice Size in (mm)	*Fluid Output, fl oz/min (lpm)		Maximum Pattern Width at 12 in (305 mm)				
	at 600 psi (4.1 MPa, 41 bar)	at 1000 psi (7.0 MPa, 70 bar)	6 to 8 (200)	8 to 10 (250)	10 to 12 (300)	12 to 14 (350)	14 to 16 (400)
0.011 (0.279)	9.5 (0.28)	12.5 (0.37)	310	410	510	610	710
0.013 (0.330)	12.0 (0.35)	16.0 (0.47)	312	412	512	612	712
0.015 (0.381)	16.0 (0.47)	21.0 (0.62)		414	514	614	714
0.017 (0.432)	20.0 (0.59)	26.5 (0.78)		416	516	616	716

\*Tips are tested in water

## LTX Tip Chart

All tips in the LTX selection chart can be used with Model 288053 G40 RAC gun. Order desired tip (part no LTXxxx) from the selection chart below. The RAC aircap also accommodates fine finish tips (FFTxxx) and wide RAC tips (WRXxxx). Refer to instruction manual 311052.

Orifice Size in (mm)	*Fluid Output, fl oz/min (lpm)	Maximum Pattern Width at 12 in (305 mm)				
	at 2000 psi (14.0 MPa, 140 bar)	4 to 6 (150)	6 to 8 (200)	8 to 10 (250)	10 to 12 (300)	12 to 14 (350)
0.009 (0.229)	11.2 (0.33)	209	309			
0.011 (0.279)	16.6 (0.49)	211	311	411	511	
0.013 (0.330)	23.3 (0.69)	213	313	413	513	
0.015 (0.381)	30.8 (0.91)	215	315	415	515	615
0.017 (0.432)	39.5 (1.17)	217	317	417	517	617
0.019 (0.483)	49.7 (1.47)	219	319	419	519	619
0.021 (0.533)	60.5 (1.79)		321	421	521	621
0.023 (0.584)	72.7 (2.15)			423	523	623
0.025 (0.635)	85.9 (2.54)				525	625
0.027 (0.686)	100.0 (2.96)				527	627
0.029 (0.737)	115.6 (3.42)					629
0.031 (0.787)	131.8 (3.90)				531	631

\*Tips are tested in water

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.

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