

# AA G40 Automatic

Automatic Air-Assisted Spray Guns



*G40 Automatic*

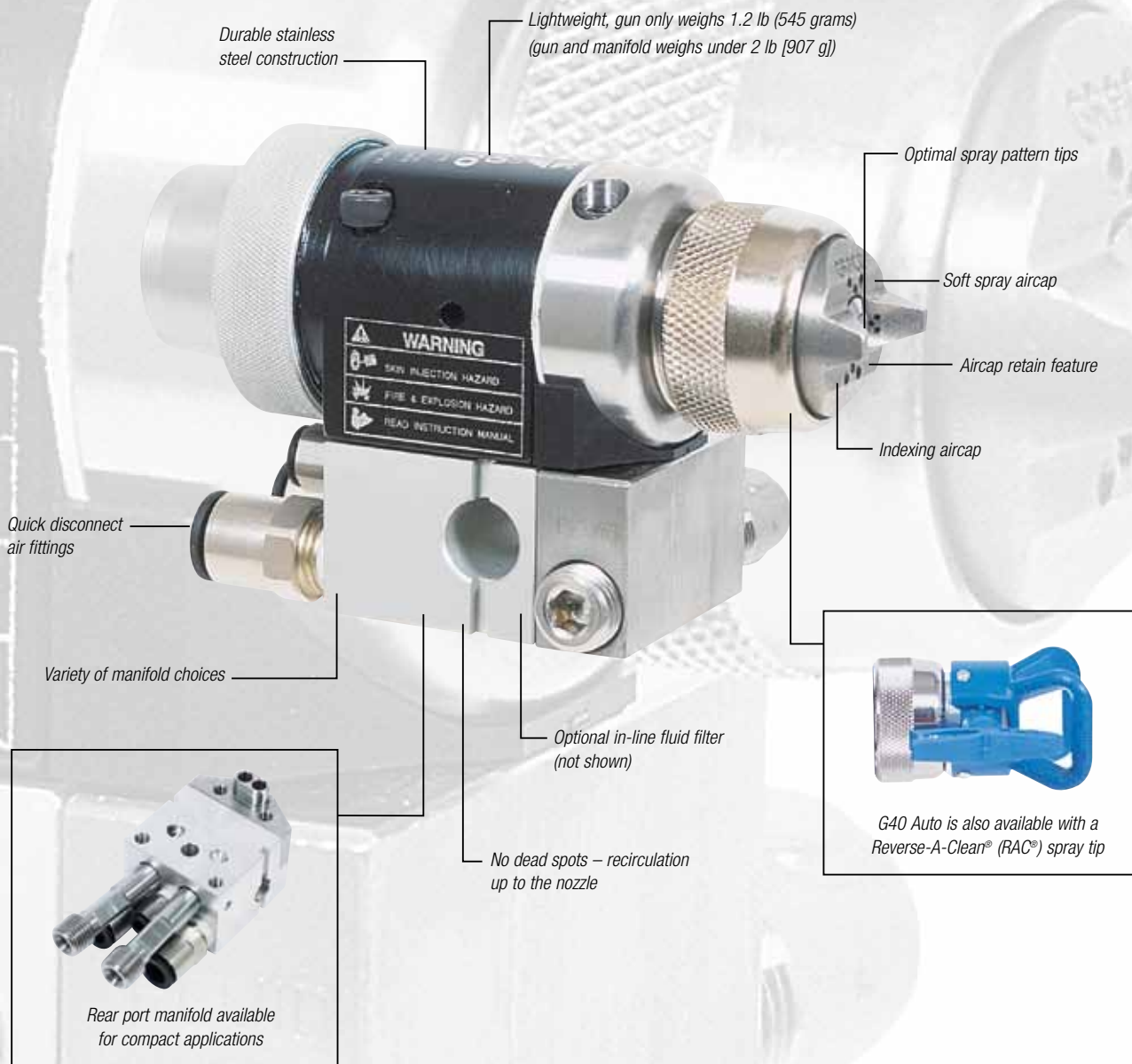


*G40 Automatic with manifold*

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

- 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

# AA Series Highlights



## Typical Applications

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

## Typical Fluids Handled

- Lacquers
- Acid catalyzed materials
- Solventborne epoxy and polyurethane materials
- Waterborne polyurethane materials
- Two component catalyzed materials

# 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 HVP 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

# 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 (300 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		

† These tip sizes include a 150 mesh tip filter

\*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) at 2000 psi (14.0 MPa, 140 bar)	Maximum Pattern Width at 12 in (300 mm)						
		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)	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

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