



PerformAA™

Air Assist Spray Guns



Performance Above All For Your Material and Applications

PROVEN QUALITY. LEADING TECHNOLOGY.

PerformAA Performance Above All

► Achieve Top-notch Results With PerformAA Spray Guns

- Variety of air assist gun models deliver high quality spray performance with material specific air caps and spray tips
 - Air caps designed for specific materials including general finishing, wood lacquer, low viscosity, high viscosity, quick drying and waterborne
 - Fine finish and pre-orifice spray tip design eliminates pattern streaks and delivers consistent, exceptional finish
- Superior transfer efficiency by atomizing at low air pressures
- Designed with operator comfort in mind
 - Optimized balance, trigger pull and ergonomics
 - Lowest gun weight on the market
 - Comfortable finger rest for balance
- Cartridge-style components make maintenance quick and easy with minimal production downtime
 - Fluid cartridge and air cartridge removed and replaced as one piece
 - Durable components for reduced maintenance cost



PerformAA 15 Air Assist gun sprays at 105 bar (1,500 psi) for optimal performance at low and medium pressures.



PerformAA 50 Air Assist gun sprays at 345 bar (5,000 psi) for peak performance at high pressures.



PerformAA 50 RAC[®] Air Assist gun sprays with a Reverse-A-Clean[®] tip at 345 bar (5,000 psi) for high pressure applications.



PerformAA Airless guns are available at 105 bar (1,500 psi) for low viscosity applications and 345 bar (5,000 psi) for high pressure spraying.

Lightest weight air assist gun on the market (460 grams / 16.2 ounces) maximizes operator productivity.

Finger rest allows operator to ergonomically balance the gun while spraying.

Indexing air cap provides accurate spray pattern positioning.

Large fan adjustment knob has 3/4 turn clicking knob that is easy to adjust when wearing gloves.

Ultra-light trigger pull force reduces fatigue and muscle stress.

Ergonomic handle fits comfortably in any sized hand.



Gun models with material specific air caps

Low profile swivel moves the hose with the operator while spraying comes standard on select gun models

▶ PerformAA Airless Gun Models

Fine finish airless guns are available in two pressures for a variety of market solutions.



345 bar model is ideal for facilities that are using both air assist and airless applicators.

105 bar model is ideal for low viscosity materials including, for wood finishing, toners and stains.



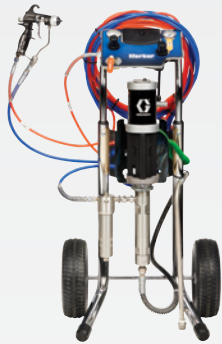
The PerformAA airless air cap works with the AXM or AXF tip to deliver a consistent spray pattern.

PerformAA Performance Above All

▶ Merkur® Air Assist and Airless Spray Packages

Paired with PerformAA air assist and airless spray guns, Merkur pumps can improve productivity, reduce costs, and provide consistent, high quality finishes for demanding applications.

- Low pulsation output and smooth pump changeover deliver a consistent spray pattern.
- Easy-to-flush design allows for fast color changes and low solvent use.
- Stainless steel pump construction provides long-lasting durability.



▶ Merkur® ES 'Efficient Sprayer' Air Assist and Airless Packages

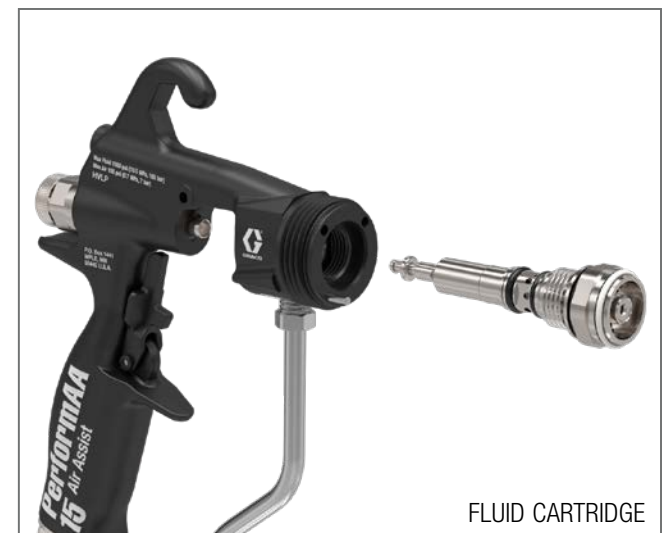
PerformAA air assist and airless spray guns with Merkur ES pumps make one efficient spray package.

- The system uses 45 percent less material than comparable sprayers.
- Quick flush capability cuts flushing time to less than one minute.
- Compact size makes it easy to transport to small finishing jobs.



▶ Minimal Downtime to Service

Air and fluid cartridges allow for one piece removal and replacement. For flexibility, components can be individually repaired.



Fluid cartridge is made of durable stainless steel and has a reversible seat for easy assembly.



AMERICAN BUILT QUALITY
— PerformAA spray guns are designed, manufactured, assembled, and factory-tested in the USA.

► Made for Your Material and Application

Whether you are finishing wood cabinets, construction equipment or industrial components, there is a PerformAA air cap and spray tip that delivers superior results.

Each air cap is geometrically designed for the finest atomization with the least amount of guesswork when spraying a certain material.



Part No.	Color	Description	Optimal Use Recommendations	HVLP Verification Kit
2GF042	PTFE Nickel	General Finishing (GF)	Atomizes tails at lower pressures	2GF044
2WL042	Black	Wood Lacquer (WL)	Spray wood finishing top coats and lacquer	2WL044
2WB042	Blue	Waterborne (WB)	Break up the fluid stream for even wet film build with waterborne materials	2WB044
2LV042	Silver	Low Viscosity (LV)	Promote even dispersion of low viscosity materials	2LV044
2HV042	Blue Grey	High Viscosity (HV)	Build wet film with high solids materials	2HV044
2QD042	Green	Quick Drying (QD)	Maintain transfer efficiency and minimize air bubbles with quick drying materials	2QD044
2TC042	PTFE Nickel	Top Coat (TC)	Spray finishing top coats	2TC044
2AL042	Black	Airless (AL)	Deliver airless spray application	---



AXM standard, single-orifice tips maintain consistent atomization at low, medium and high pressures.



AXF fine finish pre-orifice tips produce a soft spray for high transfer efficiency at low to medium pressures.



Reverse-A-Clean® (RAC®) tips perform well spraying a wide variety of coatings. For quick cleaning with minimal downtime, simply turn the reversible tip to the clean position and then trigger the gun.

PerformAA Performance Above All

► Ordering Information

PerformAA includes a AXM or AXF spray tip, a 100 mesh inline fluid filter, and a carbide seat and carbide ball.

PerformAA 15 Air Assist Gun Models

Part No.	Maximum Working Fluid Pressure bar (psi, MPa)	Air Cap	Air Cap Part No.	Includes Fluid Swivel Connector
26B500	105 (1500, 10.5)	General Finishing (GF)	2GF042	
26B501		General Finishing (GF)	2GF042	✓
26B502°		Wood Lacquer (WL)	2WL042	
26B503°		Wood Lacquer (WL)	2WL042	✓
26B505°		Low Viscosity (LV)	2LV042	✓
26B504*		General Finishing (GF)	2GF042	

*Gun offered with a plastic seat, SST Ball

°Ultra light trigger spring



PerformAA 15

PerformAA 50 Air Assist Gun Models

Part No.	Maximum Working Fluid Pressure bar (psi, MPa)	Air Cap	Air Cap Part No.	Includes Fluid Swivel Connector
26B510	345 (5000, 34.5)	General Finishing (GF)	2GF042	
26B511		General Finishing (GF)	2GF042	✓
26B512		Wood Lacquer (WL)	2WL042	✓
26B513		High Viscosity (HV)	2HV042	✓
26B514		Waterborne (WB)	2WB042	✓
26B515		Quick Drying (QD)	2QD042	✓
26B516		Low Viscosity (LV)	2LV042	✓
26B509**		General Finishing (GF)	2GF042	

**No inline fluid filter for high flow applications



PerformAA 50

PerformAA RAC Air Assist Gun Models

PerformAA RAC includes a choice of FFLP or LTX RAC Switch Tips

Part No.	Maximum Working Fluid Pressure bar (psi, MPa)	Air Cap	Air Cap Part No.	Includes Fluid Swivel Connector
26B517	345 (5000, 34.5)	Reverse-a-Clean (RAC)	26B869	
26B518		Reverse-a-Clean (RAC)	26B869	✓



PerformAA RAC

PerformAA Airless Gun Models

Part No.	Maximum Working Fluid Pressure bar (psi, MPa)	Air Cap	Air Cap Part No.	Includes Fluid Swivel Connector
26B519	105 (1500, 10.5)	Airless (AL)	2AL042	
26B520	345 (5000, 34.5)	Airless (AL)	2AL042	



PerformAA Airless



AXM standard, single-orifice tips maintain consistent atomization at low, medium and high pressures.

AXM Tip Chart

Recommended for high finish quality applications. All tips in the AXM selection chart can be used with PerformAA Spray Guns. Order desired tip (part no. AXMxxx) from the selection chart below.

Orifice Size mm (in)	*Fluid Output, lpm (fl oz/min)		Maximum Pattern Width at 305 mm (12 in)								
	at 41 bar (4.1 MPa, 600 psi)	at 70 bar (7.0 MPa, 1000 psi)	100 (2 to 4)	150 (4 to 6)	200 (6 to 8)	250 (8 to 10)	300 (10 to 12)	350 (12 to 14)	400 (14 to 16)	450 (16 to 18)	500 (18 to 20)
0.178 († 0.007)		0.15 (5.2)	107	207	307						
0.229 († 0.009)	0.2 (7.0)	0.27 (9.1)	109	209	309	409	509	609			
0.279 († 0.011)	0.28 (9.5)	0.37 (12.5)	111	211	311	411	511	611	711		
0.330 (0.013)	0.35 (12)	0.47 (16)	113	213	313	413	513	613	713		
0.381 (0.015)	0.47 (16)	0.62 (21)		215	315	415	515	615	715	815	
0.432 (0.017)	0.59 (20)	0.78 (26.5)		217	317	417	517	617	717	817	917
0.483 (0.019)	0.8 (28.0)	1.09 (36.3)		219	319	419	519	619	719	819	919
0.533 (0.021)	1.0 (35.0)	1.36 (45.4)			321	421	521	621	721	821	921
0.584 (‡0.023)	1.2 (40.0)	1.56 (51.9)				423	523	623	723		923
0.635 (‡0.025)	1.5 (50.0)	1.94 (64.8)				425		625	725	825	
0.686 (‡0.027)	1.7 (58.5)	2.27 (75.8)					527	627		827	
0.737 (‡0.029)	1.9 (68.0)	2.65 (88.2)						629			
0.787 (‡0.031)	2.2 (78.0)	3.03 (101.1)				431		631			
0.838 (‡0.033)	2.5 (88.0)	3.42 (114.1)						633			
0.889 (‡0.035)	2.8 (98.0)	3.81 (127.1)				435					
0.940 (‡0.037)	3.1 (108.0)	4.20 (140.0)							737		
0.991 (‡0.039)	3.4 (118.0)	4.59 (153.0)					539	639		839	

*Tips are tested in water.

†These tip sizes include a 150 mesh tip filter.

‡Do not use these tips with PerformAA 15 gun models.

Measured with NO airflow. Air assist will tend to reduce pattern lengths by 22 to 24 mm (1 in. to 2 in).



AXF fine finish tips are recommended for high finish quality at low and medium pressures. Their pre-orifice assists in atomizing shear thinning material.

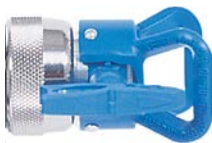
AXF Tip Chart

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

Orifice Size mm (in)	*Fluid Output, lpm (fl oz/min)		Maximum Pattern Width at 305 mm (12 in)							
	at 41 bar (4.1 MPa, 600 psi)	at 70 bar (7.0 MPa, 1000 psi)	100 (2 to 4)	150 (4 to 6)	200 (6 to 8)	250 (8 to 10)	300 (10 to 12)	350 (12 to 14)	400 (14 to 16)	450 (16 to 18)
0.178 (0.007)	0.12 (4.0)	0.15 (5.2)			306					
0.229 (0.009)	0.21 (7.0)	0.25 (8.5)	108	208	308	408	508	608		
0.279 (0.011)	0.28 (9.5)	0.37 (12.5)		210	310	410	510	610	710	
0.330 (0.013)	0.35 (12)	0.47 (16)		212	312	412	512	612	712	
0.381 (0.015)	0.47 (16)	0.62 (21)			314	414	514	614	714	814
0.432 (0.017)	0.59 (20)	0.78 (26.5)			316	416	516	616	716	
0.483 (0.019)	0.8 (28.0)	1.09 (36.3)					518			

FFLP Tip Chart

All tips in the FFLP selection chart can be used with Model 26B517 and 26B518 PerformAA RAC Spray Gun. Order desired tip (part no. FFLPxxx) from the selection chart below. The RAC air cap also accommodates LTXxxx tips and wide RAC tips (WRXxxx). Refer to instruction manual 3A8099.



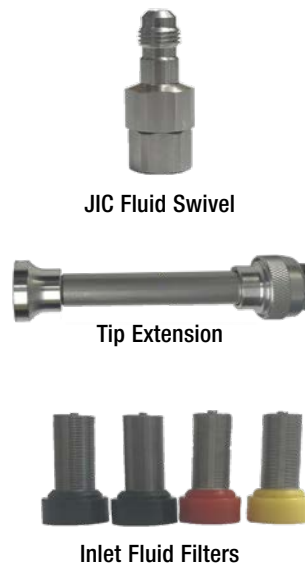
FFLP tips feature Reverse-A-Clean (RAC) which enables users to unclog tips quickly.

Orifice Size mm (in)	*Fluid Output, lpm (fl oz/min)	Maximum Pattern Width at 305 mm (12 in)					
	at 140 bar (14.0 MPa, 2000 psi)	100 (2 to 4)	150 (4 to 6)	200 (6 to 8)	250 (8 to 10)	300 (10 to 12)	350 (12 to 14)
0.203 (0.008)	0.26 (8.8)	108	208	308			
0.254 (0.010)	0.41 (13.9)	110	210	310	410	510	
0.305 (0.012)	0.59 (19.9)	112	212	312	412	512	612
0.356 (0.014)	0.80 (27.0)			214	314	414	514
0.406 (0.016)	1.04 (35.0)					516	616

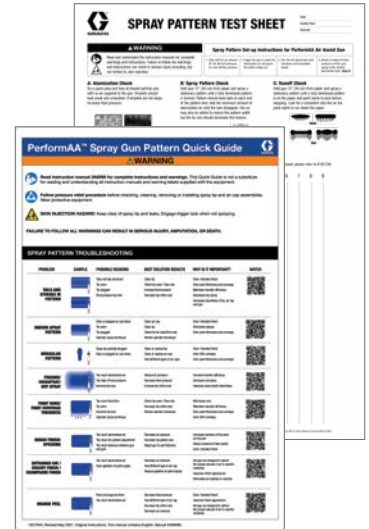
PerformAA Performance Above All

Accessories

Part No.	5,089
249598	Unclogging Needle Kit
15T544	O-ring Pick
24C356	JIC Fluid Fitting
26B374	JIC Fluid Swivel
Coming Soon!	Air Line Quick Disconnect Fittings
	Tip Extension – 6"
	Tip Extension – 12"
	Tip Extension – 18"
238563	Inlet Fluid Filter 60 Mesh (pack of 3)
238561	Inlet Fluid Filter 100 Mesh (pack of 3)
25N892	Inlet Fluid Filter 150 Mesh (pack of 3)
25N894	Inlet Fluid Filter 200 Mesh (pack of 3)
19C706	Spray Pattern Test Sheet (pads of 25)
345184	Spray Pattern Guide



Spray Pattern Test Sheet



Spray Pattern Guide

Technical Information

	Metric	US
Maximum working fluid pressure		
PerformAA 15 air assist and airless (26B519) models	10.5 MPa, 105 bar	1500 psi
PerformAA 50 air assist and airless (26B520) models	34.5 MPa, 345 bar	5000 psi
Perform AA RAC air assist models	34.5 MPa, 345 bar	5000 psi
Maximum working air pressure	0.7 MPa, 7 bar	100 psi
Maximum fluid temperature	43°C	110°F
Inlet/Outlet Sizes		
Air inlet size	1/4-18 npsm (R1/4-19) compound male thread	
Fluid inlet size	1/4-18 npsm (m)	
Materials of Construction		
Wetted materials: all models except 26B504	Stainless Steel, Carbide, Ultra High Molecular Weight Polyethylene, Engineered Plastic, PTFE, Nylon, Fluoroelastomer	
Wetted materials: model 26B504	Stainless Steel, Ultra High Molecular Weight Polyethylene, Engineered Plastic, PTFE, Nylon, Fluoroelastomer	
Weight (with air cap and spray tip)		
PerformAA 15 models	480 grams	17.1 oz
PerformAA 50 models	490 grams	17.4 oz
Manual	3A8099	

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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