



# Wood Finishing Solutions

A full line of applicators and spray packages for wood applications



**Whether you are sealing, painting, staining or adhering, Graco's wood finishing equipment will suit your application!**

- Designed for superior performance and reliability
- Product solutions for each stage of the wood finishing process
- Deliver material while increasing efficiency and finish quality

PROVEN QUALITY. LEADING TECHNOLOGY.

# Spray Technologies

	Air Spray	Compliant	HVLP	Air-Assisted	Airless
Fluids (viscosity)	Low to Medium	Low to Medium	Low to Medium	Low to High	Medium to High
Finish Quality	Class A Decorative	Class A Decorative	Class A Decorative	Decorative Coating	Medium to Coarse
Max Spray Rate	20 oz/min	15 oz/min	10 oz/min	35 oz/min	> 40 oz/min
Transfer Efficiency* (test standards)					
ASTM D-5009	17 - 25%	25 - 32%	25 - 32%	30 - 40%	27 - 35%
EN 13966	60 - 70%	70 - 78%	70 - 78%	75 - 85%	70 - 80%
Typical Fluid Pressure**	5 - 20 psi	5 - 15 psi	4 - 10 psi	300 - 1500 psi	1000 - 2500 psi
Typical Atomizing Pressure**	10 - 60 psi	5 - 35 psi	5 - 30 psi	5 - 30 psi	0 psi
SCFM Requirements***	13 scfm	11 scfm	15 scfm	4 scfm	0 scfm
Graco Applicator	AirPro™	AirPro	AirPro	G15 or G40	XTR™
Graco Fluid Transfer Technology	Cup Guns Pressure Pots Triton®	Cup Guns Pressure Pots Triton	Cup Guns Pressure Pots Triton	Merkur® Merkur ES	Merkur Merkur ES

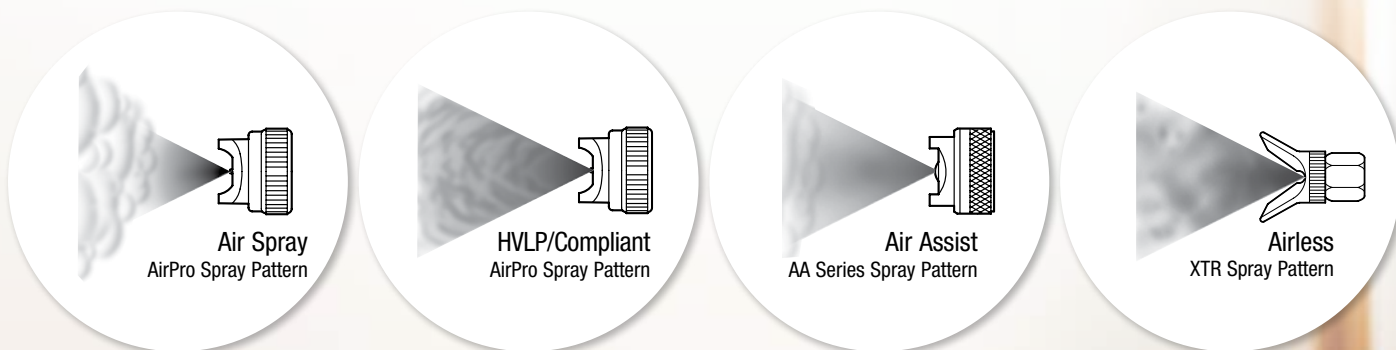
\*Using ASTM standard - 50% is the maximum transfer efficiency due to conveyor methods of spraying. EN standard sprays on a flat panel.

\*\*Pressure measured at the gun inlet under flow conditions. For best results, use the lowest fluid and air pressure for the job by determining flow rate and viscosity.

\*\*\*SCFM requirements are shown for gun only, and are averages. Pump air consumption is approximately 1.5 scfm for diaphragm pumps, and 2-5 scfm for piston pumps.

Note: typical air compressor sizing is 1 HP per 4 scfm.

## SPRAY TECHNOLOGIES



## DEFINITIONS

### AIR SPRAY/CONVENTIONAL

The most widely used finishing method. Referred to as an automotive finish or Class A finish. Easy to use, flexible and provides the finest finish quality and the lowest transfer efficiency.

### COMPLIANT

A controlled air spray technology that reduces bounceback and overspray. The finish quality is compatible to air spray, air consumption is lower than HVLP and the spray rates are higher than HVLP.

### HVLP

A controlled, compliant air spray technology that reduces bounceback and overspray. Finish quality is comparable to air spray, however atomization is generally coarser and spray rates are lower.

### AIR ASSIST

Combines the hydraulic atomization of airless with the atomization of air spray. Ideal for many finishing and coating applications, air assist offers high production levels and a relatively smooth finish - perfect for wood furniture topcoats or fabricated metal parts.

### AIRLESS

Directs fluid under high pressure through a controlled orifice to accomplish airless atomization. Ideal for quickly applying high volumes of coatings to large surfaces. Most often used to apply protective, rather than decorative coatings.

# Stain Applications

NGR and non-dye stains should be applied at low pressures due to the viscosity of the materials. Below are recommendations for low pressure equipment which will apply material with the consistency required to best enhance the wood's color.



## AirPro Spray Gun

Part #: 289109

- Conventional spray
- Pressure feed
- 0.040" nozzle

Improved transfer efficiency through reduced air consumption

Ergonomically designed for improved operator comfort

Available in HVLP (289110) and compliant (289111)



## AirPro Spray Gun

Part #: 289011

- Conventional spray, gravity feed
- 0.055" nozzle
- Includes 23 oz plastic cup

Improved transfer efficiency through reduced air consumption

Ergonomically designed for improved operator comfort

Available in HVLP (289014) and compliant (289017)



## Finex™ Spray Gun

Part #: 289244

- Conventional spray, gravity feed
- 0.055" nozzle
- Includes 20 oz plastic cup

Superior value air spray gun

3M™ PPS™ cup compatible

Available in HVLP (289239)



## Mini Finex Spray Gun

Part #: 289259

- HVLP, gravity feed
- 0.047" nozzle
- Includes 4 oz plastic cup

Superior value air spray gun

3M™ PPS™ cup compatible

Optional glaze nozzle (24F733) available



## Triton Air Spray Package

Part #: 289642

- 100 psi fluid and air pressure
- AirPro HVLP spray gun
- Pail mount, stainless steel pump

Double diaphragm design for smooth changeover and low pulsation

Quick and easy flushing reduces material waste

Available with conventional (289644) or compliant (289643) AirPro gun

Aluminum pump available with conventional (289647), HVLP (289645), or compliant (289643) AirPro gun



## Triton Air Spray Package

Part #: 289635

- 100 psi fluid and air pressure
- AirPro HVLP spray gun
- Cart mount, stainless steel pump

Double diaphragm design for smooth changeover and low pulsation

Quick and easy flushing reduces material waste

Available with conventional (289637) or compliant (289636) AirPro gun

Aluminum pump available with conventional (289640), HVLP (289638) or compliant (289639) AirPro gun



## 2.5 Gallon Pressure Tank

Part #: 223833

- Aluminum construction
- Up to 50 psi

Dual regulators provide convenient fluid and air control

Available with single regulator (171226)



## Pressure Cup

Part #: 239803

- Stainless steel construction
- 1 quart capacity

Dual regulators provide convenient fluid and air control

Available with single regulator (239802)

## Top Coat Applications

Top coats and sealers are generally applied with medium pressure equipment due to the mil thickness required for a high quality finish. Air assisted equipment will deliver optimal flow rates while maximizing transfer efficiency and increasing productivity.



### G15 AA Spray Gun

Part #: 24C853

- Air-assisted
- HVLP compliant
- Up to 1500 psi

Enhanced tip design provides uniform atomization and improved finish quality

Lightweight and low trigger pull for improved operator comfort



### Merkur Spray Package

Part #: G15C09

- 15:1 air-assisted pump, 0.4 gpm
- G15 AA gun
- 25 ft hose set

Pump outlet filter improves material cleanliness for enhanced spray performance

Easy flush pump lower allows fast color change and reduced solvent usage

Wall mount version also available (G15W07)



### Merkur ES Spray Package

Part #: 24F151

- 15:1 air-assisted pump
- G15 AA gun
- 25 ft hose set

Quick flush pump reduces material and solvent usage

Wall mount (24F150) and stainless steel stand (24F159) and wall (24F158) versions also available



### 5 Gallon Pail Mount Agitator

Part #: 243340

- Stainless steel agitator
- Stainless steel pail cover
- 1/4 HP air driven motor

Carbon steel 5 gallon pail cover with stainless agitator also available (226086)

## Adhesive Applications

Adhesive applications vary in requirements from a bead of material to a full spray pattern. Low pressure equipment will assist in delivering the adhesive to the wood.



### AirPro Spray Gun

Part #: 288982

- Conventional spray
- Pressure feed
- 0.051" nozzle

Unique aircap designed for spraying adhesive

Ergonomically designed for improved operator comfort



### AirPro Pressure Tank Packages

Part #: 24C828

- AirPro adhesive spray gun
- 2.5 gallon aluminum pressure pot
- 25 foot hose set

Dual regulators provide convenient fluid and air control

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.

Call today for product information or to request a demonstration.  
**877.84GRACO** (1-877-844-7226) or visit us at [www.graco.com](http://www.graco.com).

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