



# PRO Xs™

Manual and Automatic Electrostatic Guns



PROVEN QUALITY. LEADING TECHNOLOGY.

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# There's never been a spray gun like it!

Take your finishing operation to the next level with Graco's PRO Xs electrostatic guns. PRO Xs combines the benefits of material savings with all the outstanding finish quality and durability you've come to expect from Graco.

## Choose PRO Xs for:

### Material Savings

Upgrade from air spray and HVLP to reduce VOC emissions and save material.

### Better Finish

Outstanding overall finish and improved production speeds when upgrading from HVLP.

### Operator Comfort

Reduce fatigue and improve comfort.

### Time Savings

Attach fluid and air connections and you're ready to spray in minutes!

### Diverse Product Offering

Gun models spray a wide variety of materials.

### Lower Cost of Ownership

Durable components are backed by a 3-year warranty.

### Internal Power Supply

Air powered for easy installation and no electrical connections.

#### KEY MATERIALS

Enamels  
Epoxies  
Urethanes  
High Solids  
Plural Components  
Waterborne

#### KEY INDUSTRIES

Aerospace  
Auto Assembly  
Auto Feeder  
Bus  
Farm & Construction  
General Metal

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# PRO Xs Features and Benefits

## SnapBack™ Electrode

Flexible electrode lasts longer and provides better alignment for a consistent, high-quality finish.

## Superior Finish Quality

Easy to align indexing air cap designed for optimal finish quality and consistency.

## Durable Components

Rugged design of components for longer life.

## Balanced

Best overall balance for operator satisfaction.

## Ergonomic Handle

Smooth curved handle and optional grip sizes improve operator comfort and reduce fatigue.



## Air-Powered Gun

Makes installation simple without electrical connections, using only air to generate electrostatic power.

## Integral Air Swivel

Provides maximum flexibility.



## External Charging Probe

The Pro Xs Waterborne gun has an external charging probe designed for quick release and easy cleaning.



## Smart Display™

Readout at the gun allows quick check of voltage and current right in the spray booth!



# State-of-the-Art Technology

## Operator Comfort

### Ergonomic Handle

Maximizes comfort for long hours of spraying.

### Optional Select Comfort Hand Grips

Customizes the handle to accommodate different hand sizes and improve operator comfort.

### Light Trigger Pull

Helps reduce fatigue.

### Integral Air Swivel

Provides maximum flexibility.

### Balance

Best overall balance for operator satisfaction.

## Durability

### SnapBack Electrode

Flexible electrode lasts longer and provides better alignment for a high-quality finish.

### Air Cap

Resistant to breakage in everyday environments.

### Turbine and Bearings

Features improved material compatibility for longer life and lasting performance.

### Replaceable Hook

Saves money - no need to replace the whole handle.

### 3-Year Warranty

Includes power supply, barrel and handle.

## Superior Finish Quality

### Air Cap Design

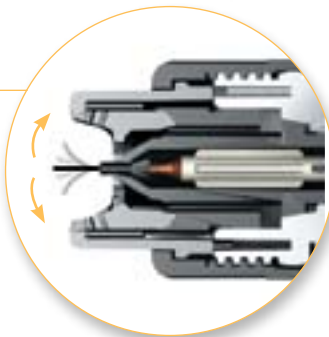
Delivers excellent spray performance and atomization.

### Wide Pattern Kit

Provides a wider spray pattern.

### Multiple Color Air Caps

Offered in blue, green and red.



## Savings

### Smart Display

Voltage and current readout at the gun for quick indication of voltage, current and material resistivity.

### Air-Powered Gun

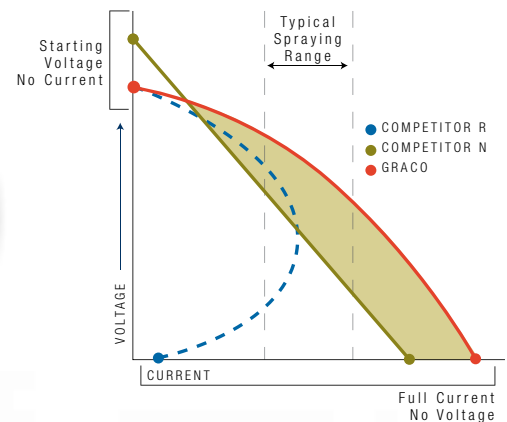
Easy to install and service with only air needed to generate power.

### Quick and Easy Installation

Easy installation without electrical connections saves time and money.

### Electrostatic Performance

Up to 35% higher spraying voltage for improved material savings.

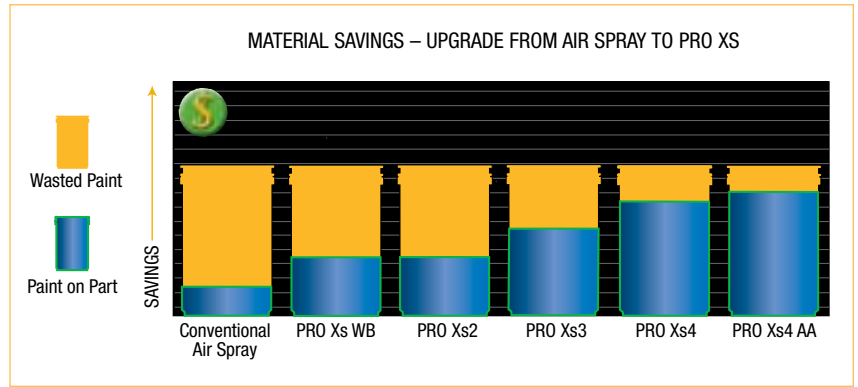


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# Return-on-Investment

The material savings chart shows how your savings increase as you move up the PRO Xs line. Use the analysis tools below to see how much you can save with Graco PRO Xs Electrostatic Guns.



## Reduce Operating Costs

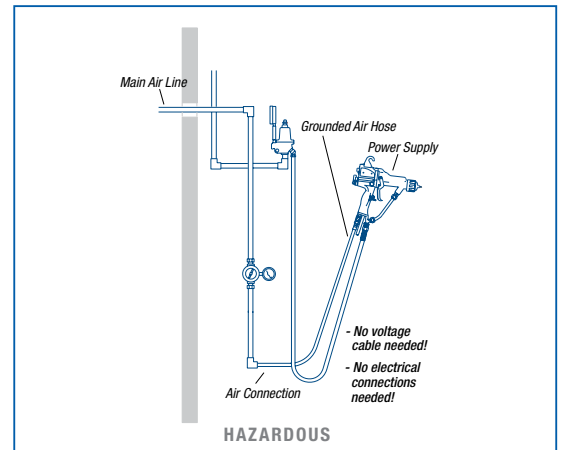
### REPLACE CONVENTIONAL AIR SPRAY AND HVLP GUNS

	TYPICAL	CALCULATE YOUR OWN
Paint price per gallon	\$20	X
Gallons used per day (Typical 5 gal/day)	5	X
Business days per month	20	20
Typical Savings (see below)		
<u>Air Spray</u>	X	X
PRO Xs 2	20% Savings	20%
PRO Xs WB	20% Savings	
PRO Xs 3	40% Savings	
PRO Xs 4	60% Savings	
PRO Xs 4 AA	65% Savings	
<u>HVLP</u>		
PRO Xs 2	10% Savings	
PRO Xs WB	10% Savings	
PRO Xs 3	30% Savings	
PRO Xs 4	50% Savings	
PRO Xs 4 AA	55% Savings	=
Monthly Savings	400	X
Months per year	12	12
Annual Savings	\$4,800*	=

\*Gun pays for itself in less than 6 months!

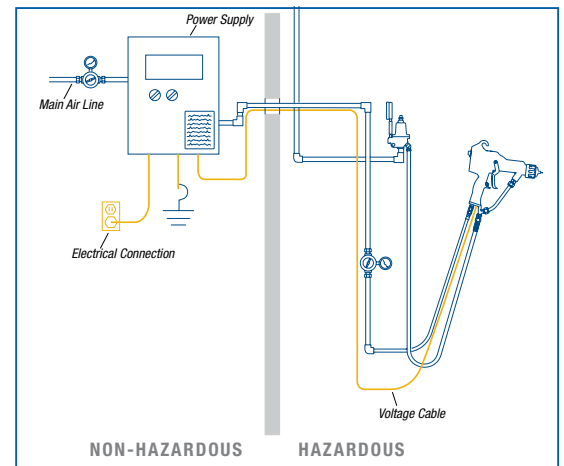
## Easy Installation

### TYPICAL GRACO PRO Xs INSTALLATION



PRO Xs installation is quick and easy requiring very little time. Connect the grounded air hose to the air line and spray!

### TYPICAL COMPETITORS' INSTALLATION



A typical competitors' installation requires a voltage cable that would run between the gun and the power supply located outside the hazardous area. Electrical connections are also required for complete installation.

# PRO Xs Electrostatic Spray Guns

## PRO Xs2

PRO Xs2 allows air spray users to double their material savings and HVLP users to achieve the finish quality and production speed of air spray.

- Compliant technology to meet EPA requirements
- Air spray finish quality
- Electrostatic material savings at a minimum investment
- Quick return-on-investment
- Size and weight of a conventional air spray or HVLP gun



## PRO Xs3 smart or standard

PRO Xs3 takes electrostatic finishing to a new level of material savings, ergonomics, finish quality and durability.

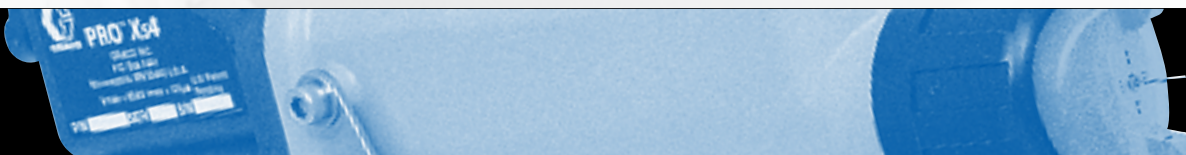
- 60 kV voltage output for standard, high conductivity or waterborne coatings
- Outstanding finish quality
- Excellent material savings at an optimal size
- Standard or Smart Display models available
- Available with adjustable voltage for flexibility with various materials and applications



## PRO Xs4 smart or standard

PRO Xs4 provides outstanding material savings and durability with a low cost of ownership along with a lightweight, comfortable design to reduce operator fatigue.

- One of the lightest 85 kV guns on the market
- Outstanding finish quality
- Best material savings for fastest return-on-investment using air spray technology
- Low cost of ownership
- Standard or Smart Display models available
- Available with adjustable voltage for flexibility with various materials and applications



# PRO Xs Electrostatic Spray Guns

## PRO Xs Waterborne smart or standard

PRO Xs Waterborne reduces operating costs and material usage. Fluid remains grounded in the gun, no isolation system is needed for operation.

- Superior atomization for a high quality finish
- Internal power supply allows for quick installation and easy service
- Lightweight and compact design increases operator comfort
- External charging probe is quick release for easy changeout
- Rugged design outlasts the competition
- Display monitors voltage and current
- Recommended for use with waterborne materials and specific high conductivity materials

## PRO Xs4 Air-Assisted smart or standard

PRO Xs4 AA's lightweight, comfortable design reduces operator fatigue with excellent transfer efficiency.

- One of the lightest 85 kV AA guns on the market
- Excellent finish quality
- Best material savings for quickest return-on-investment using air-assisted technology
- Meets fast production speed requirements
- Standard or Smart Display models available
- Available with adjustable voltage for flexibility with various materials and applications

## PRO Auto Xs

PRO Auto Xs guns offer excellent finish quality and material savings, with the added benefit of easy modular installation.

- Air Spray model - Available for standard, high conductivity or waterborne coatings
- Air-Assisted model - Available for standard coatings
- Excellent finish quality
- Easy installation with air-powered design
- Modular manifold design for quick service



# PRO Xs Electrostatic Guns Product Information

## PRO XS MANUAL GUN TECHNICAL SPECIFICATIONS

	PRO Xs2	PRO Xs3	PRO Xs4	PRO Xs4 AA	PRO Xs WB
Max. working fluid pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	3000 psi (207 bar, 20.7 MPa)	100 psi (207 bar, 20.7 MPa)
Max. working air pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (207 bar, 20.7 MPa)
Gun weight	23.5 oz. (667.6 g)	25.1 oz. (711.6 g)	27.8 oz. (788.1 g)	29.1 oz. (825 g)	22.4 oz (634 g)
Gun length	8.6 in. (21.8 cm)	9.7 in. (24.6 cm)	11.1 in. (28.2 cm)	11.4 in. (29.0 cm)	9.7 in (24.6 cm)
Recommended paint resistivity range	7 to 150 megohm-cm	7 to ∞ megohm-cm	25 to ∞ megohm-cm	7 to ∞ megohm-cm	less than or equal to 1 megohm-cm
Max. voltage output	20 kilovolts	60 kilovolts	85 kilovolts	85 kilovolts	60 kilovolts
Max. fluid working temp.	120°F (48.8°C)	120°F (48.8°C)	120°F (48.8°C)	120°F (48.8°C)	120°F (48.8°C)
Air inlet	1/4 npsm (l.h.)	1/4 npsm (l.h.)	1/4 npsm (l.h.)	1/4 npsm (l.h.)	1/4 npsm (l.h.)
Fluid inlet	3/8-18 npsm (R 3/8-19) compound thread	3/8-18 npsm (R 3/8-19) compound thread	3/8-18 npsm (R 3/8-19) compound thread	1/4-18 npsm	3/8-18 npsm (R 3/8-19) compound thread
Wetted parts	polyethylene, SST, nylon, acetal, PTFE, UHMWPE, fluoroelastomer, PEEK	polyethylene, SST, nylon, acetal, PTFE, UHMWPE, fluoroelastomer, PEEK	polyethylene, SST, nylon, acetal, PTFE, UHMWPE, fluoroelastomer, PEEK	SST, nylon, PEEK, UHMWPE, carbide, acetal	polyethylene, SST, nylon, acetal, PTFE, UHMWPE, fluoroelastomer, PEEK, nickel
Noise data*					
Sound pressure	87.0 dBA	87.0 dBA	87.0 dBA	95.0 dBA	87.0 dBA
Sound power	90.4 dBA	90.4 dBA	90.4 dBA	99.7 dBA	90.4 dBA
Operator manual	309294 309291	309294 309292	309294 309292	309296 309295	312900

\*All readings were taken at 40 psi (2.8 bar, 0.3 MPa). Sound pressure was tested to CAGI-PNUEROP-1969 and sound power to ISO 3744-1981.

UHMWPE - Ultra-High Molecular Weight Polyethylene

## PRO XS AUTOMATIC GUN TECHNICAL SPECIFICATIONS

	PRO Auto Xs	PRO Auto Xs AA	PRO Auto Xs WB
Max. working fluid pressure	100 psi (7 bar, 0.7 MPa)	3000 psi (207 bar, 20.7 MPa)	100 psi (7 bar, 0.7 MPa)
Max. working air pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)
Gun weight	3.52 lb (1.60 kg)	3.52 lb (1.60 kg)	3.40 lb (1.54 kg)
Gun length	12.25 in (31.1 cm)	12.25 in (31.1 cm)	10.40 in (26.4 cm)
Voltage output	85 kilovolts	85 kilovolts	60 kilovolts
Air Inlet (fittings are included with gun)			
Atomizing air	3/8 in OD nylon tube	3/8 in OD nylon tube	3/8 in OD nylon tube
Fan air	3/8 in OD nylon tube	N/A	3/8 in OD nylon tube
Cylinder pilot	5/32 in OD nylon tube	5/32 in OD nylon tube	5/32 in OD nylon tube
Hi-lo voltage selector	5/32 in OD nylon tube	5/32 in OD nylon tube	5/32 in OD nylon tube
Turbine air	1/4 npsm (l.h.)	1/4 npsm (l.h.)	1/4 npsm (l.h.)
Fluid inlet	1/4-18 npsm	1/4-18 npsm	1/4-18 npsm
Wetted parts	SST, nylon, PEEK, UHMWPE, acetal	SST, nylon, PEEK, UHMWPE, carbide, acetal	SST, nylon, PEEK, UHMWPE, acetal
Instruction manual	309297	309298	313227