



# FALCON™ 10:1 AND 20:1

## Air-Assisted (AA) Packages



*Falcon 10:1  
2-Wheel Cart  
233064*

*Falcon 20:1  
Wall-Mount  
232817*

*Falcon 10:1  
4-Wheel Cart  
232820*

**Increase your productivity and reduce your material costs with Falcon AA!**

### Features and Benefits

- Affordable, entry-level finishing package for single gun, fine finish applications
- Small, compact pump design is quick to flush and clean, minimizing material costs and waste
- Low pulsation pump provides excellent finish quality and consistent atomization, without a fluid regulator
- Durable pump with all stainless steel construction
- Air-assisted technology allows you to spray with more speed and higher transfer efficiency, increasing productivity and saving material costs

### Typical Applications

- Wood furniture and cabinetry
- Wood windows and doors
- Custom wood shops
- General metal fabrication

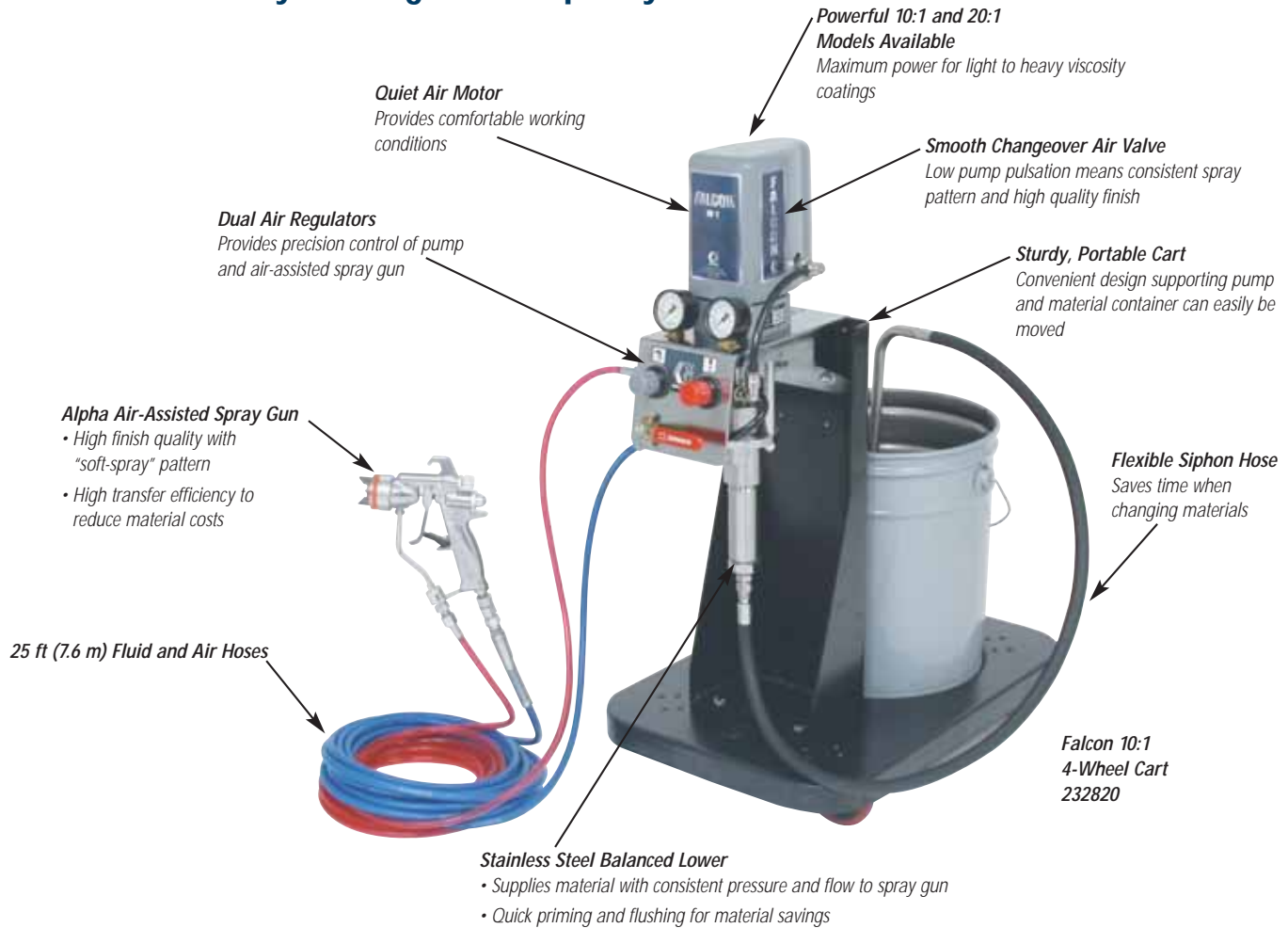
### Typical Fluids Handled

- Catalyzed lacquers
- Polyurethanes
- Waterborne lacquers
- Primers and stains

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PROVEN QUALITY. LEADING TECHNOLOGY.

# Falcon packages provide the value of high production speed, high transfer efficiency and high finish quality!



## Technical Specifications

	<b>Falcon 10:1</b>	<b>Falcon 20:1</b>
Pump ratio		
Maximum fluid outlet pressure	1000 psi (70 bar, 7 MPa)	1500 psi (103 bar, 10.3 MPa)
Maximum air input pressure	100 psi (7 bar, 0.7 MPa)	68 psi (4.7 bar, 0.5 MPa)
Fluid Flow @ 60 cpm	0.3 gpm (1.1 lpm)	0.3 gpm (1.1 lpm)
Volume per cycle	0.64 oz. (18.9 l)	0.64 oz. (18.9 l)
Pump air consumption at 100 psi (7 bar, 0.7 MPa) air @ 20 cpm	0.75 scfm (0.02 m <sup>3</sup> /min.)	0.75 scfm (0.02 m <sup>3</sup> /min.)
Sound pressure level @ 100 psi (7 bar, 0.7 MPa) air @ 20 cpm	69 dBA	73 dBA
Air inlet, package	3/8 npsm(f)	3/8 npsm(f)
Fluid inlet, pump	3/8 npt(f)	3/8 npt(f)
Fluid outlet, pump	1/4 npt(f)	1/4 npt(f)
Weight		
Wall-mount package	25 lb (11 kg)	25 lb (11 kg)
2-wheel cart package	65 lb (27 kg)	65 lb (27 kg)
4-wheel cart package	47 lb (21 kg)	47 lb (21 kg)
Instruction manual	308994	308994

# Ordering Information

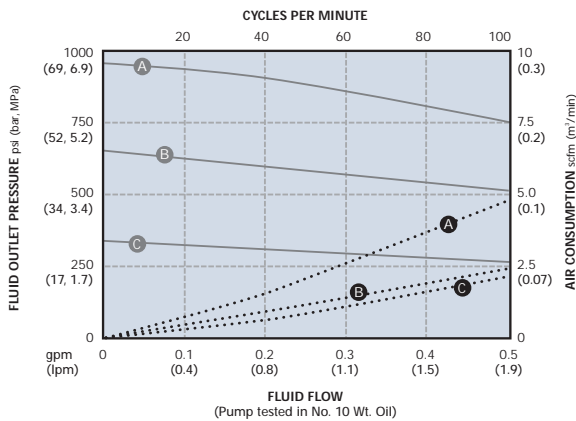
- Select appropriate Falcon spray package (Falcon 10:1 or Falcon 20:1) based on pressure and flow requirements of the application. Refer to Falcon 10:1 and 20:1 pump performance charts below.
- Select wall-mount, 2-wheel cart or 4-wheel cart mounting configuration.
- Select Alpha™ gun with carbide ball/seat for pigmented, waterborne and higher viscosity materials or Alpha gun with composite ball/seat for acid-catalyzed materials and low viscosity lacquers and stains.
- Select Alpha™ gun with carbide ball/seat for pigmented, waterborne and higher viscosity materials or Alpha gun with composite ball/seat for acid-catalyzed materials and low viscosity lacquers and stains.
- Order Falcon package part number.

Carbon Steel  
 Stainless Steel  
 Part number  
 Wall-mount  
 2-wheel chrome cart  
 4-wheel cart  
 Siphon hose  
 Fluid swivel at gun inlet  
 25 ft (7.6 m) fluid hose  
 25 ft (7.6 m) air hose  
 Bare package\*  
 Applicator  
 Alpha gun w/ carbide ball/seat  
 Alpha gun w/ composite ball/seat

Falcon 10:1 Air-Assisted Spray Packages											
<i>Note: Falcon 10:1 packages include a GGW413 tip with an additional tip of choice</i>	•	232810	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232811	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232812	•							none	
	•	233064	•		•	•	•	•	•	Alpha Spray Gun	•
	•	233065	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232820	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232821	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232822	•		•					none	
Falcon 20:1 Air-Assisted Spray Packages											
<i>Note: Falcon 20:1 packages include a GGW415 tip with an additional tip of choice</i>	•	232815	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232816	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232817	•							none	
	•	233939	•		•	•	•	•	•	Alpha Spray Gun	•
	•	233945	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232823	•		•	•	•	•	•	Alpha Spray Gun	•
	•	232824	•		•	•	•	•	•	Alpha Spray Gun	•
	•	233938	•		•					none	

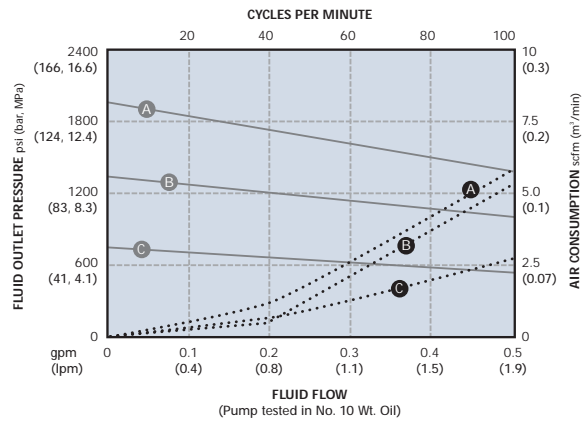
\*Bare packages do not include hose and spray gun

## Performance Chart for Falcon 10:1 Pump



AIR PRESSURES	LEGEND
(A) = @ 100 psi (7.0 bar, 0.7 MPa)	Air Consumption . . . .
(B) = @ 70 psi (4.8 bar, 0.5 MPa)	Fluid Flow _____
(C) = @ 40 psi (2.8 bar, 0.3 MPa)	

## Performance Chart for Falcon 20:1 Pump



AIR PRESSURES	LEGEND
(A) = @ 100 psi (7.0 bar, 0.7 MPa)	Air Consumption . . . .
(B) = @ 70 psi (4.8 bar, 0.5 MPa)	Fluid Flow _____
(C) = @ 40 psi (2.8 bar, 0.3 MPa)	

## Accessories

- 243340 Stainless Steel Pail Cover with Stainless Steel Agitator**  
5 gallon (18.9 liter).
- 241812 Fluid Hose, 3/16 in ID x 25 ft (7.6 m)**  
Anti-static polyurethane cover with fabric braid and nylon tubing. SST wetted parts. 1/4-18 npsm(fbe). Max. working pressure: 3500 psi (242 bar, 24 MPa).
- 241811 Air Hose, 1/4 in (6 mm) x 25 ft (7.6 m)**  
Polyurethane. 1/4-18 npsm(fbe). Max. working pressure: 100 psi (7 bar, 0.7 MPa).
- 243606 2-Wheel Cart (pail not included)**  
Mounting hardware included.
- 241646 4-Wheel Cart (pail not included)**  
Mounting hardware included.
- 243594 Wall Bracket**  
Use for mounting a Falcon pump to the wall.
- 241594 Falcon 10:1 Bare Pump**
- 241595 Falcon 20:1 Bare Pump**

## Repair Kits

Air Motor Kits	Falcon 10:1	Falcon 20:1
Air valve packing repair kit	241833	241834
Air motor spool valve repair kit	241884	241884

Lower Pump Kits	Falcon 10:1	Falcon 20:1
Standard piston seal kit (PTFE) with nylon spacer	241830	241830
Optional piston seal kit (PTFE) with stainless steel spacer	15B327	15B327
Optional piston seal kit (UHMWPE)	115408	115408
Throat seal kit (UHMWPE)	241827	241827
Displacement rod (SST)	194756	194756
Cylinder (SST)	194760	194760

## Spray Guns

### Standard Alpha Spray Guns

- 241508 Carbide Model**  
Includes spray gun with carbide ball/seat, air cap, tip of choice\* and in-line 100 mesh fluid filter.
- 241510 Composite Model**  
Includes spray gun with composite ball/seat, air cap, tip of choice\* and in-line 100 mesh fluid filter.

### HVLP Alpha Spray Guns

- 241509 Carbide Model**  
Includes spray gun with carbide ball/seat, HVLP air cap, tip of choice\* and in-line 100 mesh fluid filter.
- 241511 Composite Model**  
Includes spray gun with composite ball/seat, HVLP air cap, tip of choice\* and in-line 100 mesh fluid filter.

*Note: Carbide models recommended for pigmented, waterborne and higher viscosity materials.*

*Composite models recommended for acid-catalyzed materials and low viscosity lacquers and stains.*

*\*Refer to Alpha Spray Gun Flyer, form number 320454, for complete gun tip selection and ordering information.*

### Alpha Spray Gun Accessories

- 241616 Composite Conversion/Replacement Kit**  
Converts Alpha gun carbide models 241508 and 241509 to a composite needle ball and seat. Includes needle assembly and seat assembly.
- 241617 Carbide Conversion/Replacement Kit**  
Converts Alpha gun composite models 241510 and 241511 to a carbide needle ball and seat. Includes needle assembly and seat assembly.
- 241882 Accessory Air Cap**  
For use with low viscosity fluids and low fluid flow rates.
- 241563 Alpha AA HVLP Air Cap**  
Converts standard gun to HVLP compliancy. Requires HVLP Verification Kit.
- 241644 HVLP Verification Kit**  
For use in checking air cap air pressures at various supply air pressures. NOT to be used for actual spraying. Note: to be compliant, the atomizing air pressure must not exceed 10 psi (0.7 bar, 70 kPa).
- 238563 Gun Inlet Fluid Filter Kit**  
Package of 3. 60 mesh (0.009 gap spacing) to replace the standard 100 mesh (0.005 gap) filter for coarser filtering.
- 241804 Tip Filter Kit**  
Package of 10. 150 mesh. Comes standard with tip sizes 0.007 inch, 0.009 inch and 0.011 inch. Fits other tip sizes but ordered separately.

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.

**1.877.84GRACO** (1-877-844-7226) or visit us at [www.graco.com](http://www.graco.com).

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