



FALCON™ 10:1 and 20:1

Air-Assisted (AA) Packages



Falcon 10:1
2-Wheel Cart
233064



Falcon 20:1
Wall-Mount
232817



Falcon 20:1
Stand-Mount
232836

Increase Your Productivity and Reduce Your Material Costs with Falcon AA packages!

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

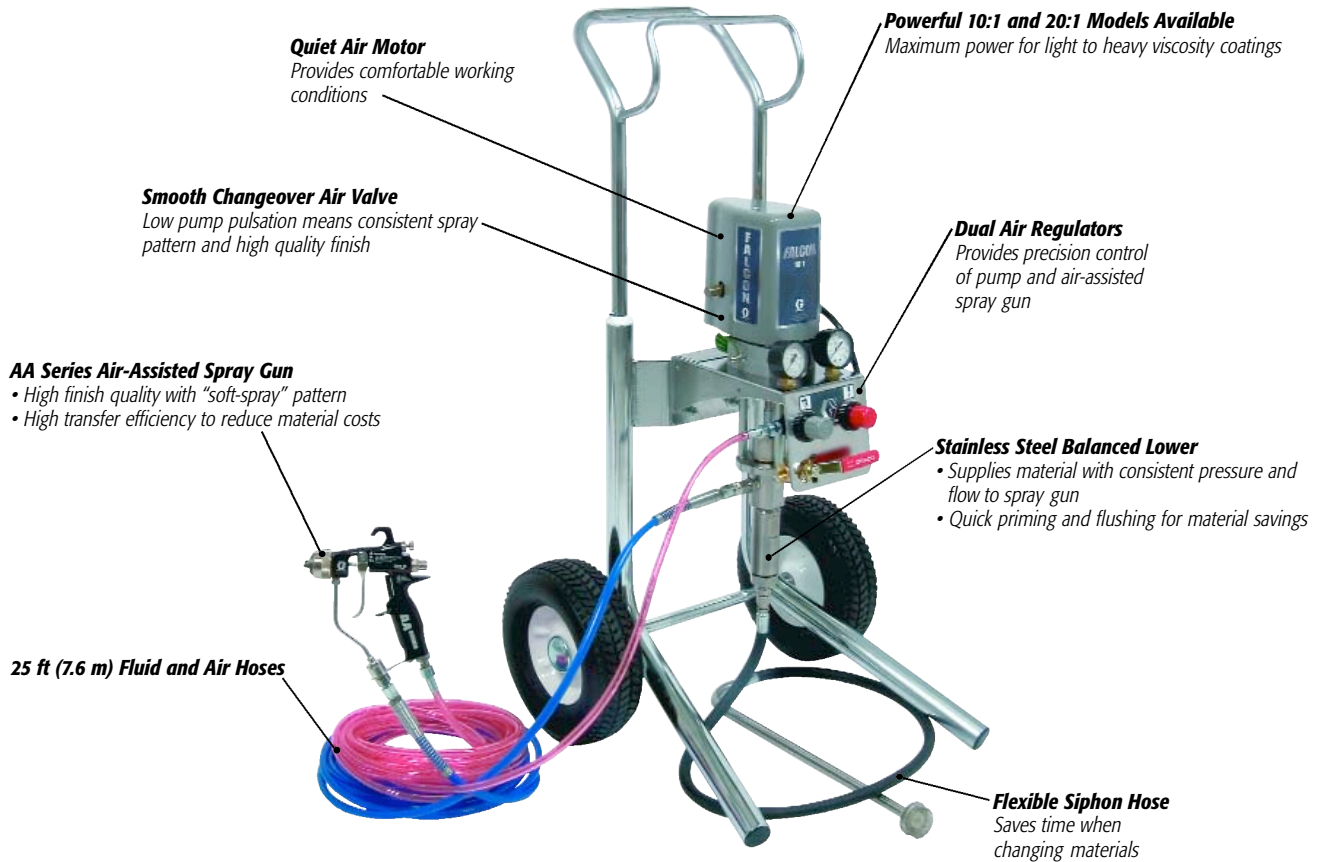
TYPICAL FLUIDS HANDLED

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

FINISHING

PROVEN QUALITY. LEADING TECHNOLOGY.

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



Technical Specifications

	Falcon 10:1	Falcon 20:1
Pump ratio		
Maximum fluid outlet pressure	70 bar (7 MPa, 1000 psi)	103 bar (10.3 MPa, 1500 psi)
Maximum air input pressure	7 bar (0.7 MPa, 100 psi)	4.7 bar (0.5 MPa, 68 psi)
Fluid Flow @ 60 cpm	1.1 lpm (0.3 gpm)	1.1 lpm (0.3 gpm)
Volume per cycle	18.9 ml (0.64 oz.)	18.9 ml (0.64 oz.)
Pump air consumption at 7 bar (0.7 MPa, 100 psi) air @ 20 cpm	20 lpm (0.75 scfm)	20 lpm (0.75 scfm)
Sound pressure level @ 7 bar (0.7 MPa, 100 psi) 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		
Stand-mount package	13,6 kg (30 lb)	13,6 kg (30 lb)
Wall-mount package	11 kg (25 lb)	11 kg (25 lb)
2-wheel cart package	27 kg (65 lb)	27 kg (65 lb)
4-wheel cart package	21 kg (47 lb)	21 kg (47 lb)
Instruction manual	308994, 309022	308994, 309022

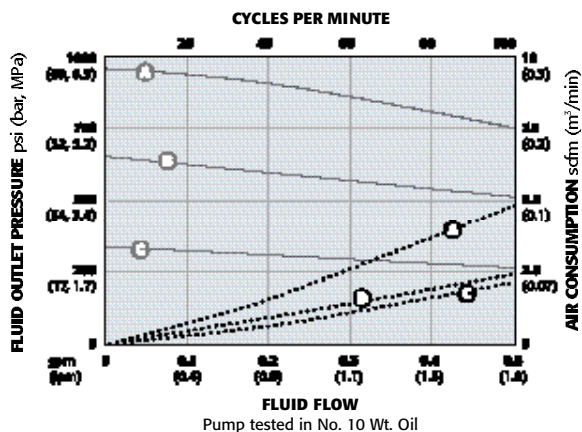
Ordering Information

1. 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.
2. Select stand-mount, wall-mount, 2-wheel cart or 4-wheel cart mounting configuration.
3. Order Falcon package part number.

	Carbon Steel	Stainless Steel	Part number	Stand-mount	Wall-mount	2-wheel chrome cart	4-wheel cart	Siphon hose	Fluid swivel at gun inlet	7.6 m (25 ft) fluid hose	7.6 m (25 ft) air hose	Bare package*	Applicator
Falcon 10:1 Air-Assisted Spray Packages													
<i>Note: Falcon 10:1 packages include a AAM413 tip</i>			• 232833	•					•	•	•		G15
			• 232835	•								•	none
			• 232810		•				•	•	•		G15
			• 288124		•				•	•	•		G15, carbide
			• 232812		•							•	none
			• 233064			•			•	•	•		G15
			• 288125			•			•	•	•		G15, carbide
			• 232820						•	•	•		G15
			• 288126						•	•	•		G15, carbide
			• 232822						•			•	none
Falcon 20:1 Air-Assisted Spray Packages													
<i>Note: Falcon 20:1 packages include a AAM415 tip</i>			• 232836	•					•	•	•		G15
			• 232838	•								•	none
			• 232815		•				•	•	•		G15
			• 288127		•				•	•	•		G15, carbide
			• 232817		•							•	none
			• 233939			•			•	•	•		G15
			• 288128			•			•	•	•		G15, carbide
			• 232823						•	•	•		G15
			• 288129						•	•	•		G15, carbide
			• 233938						•			•	none

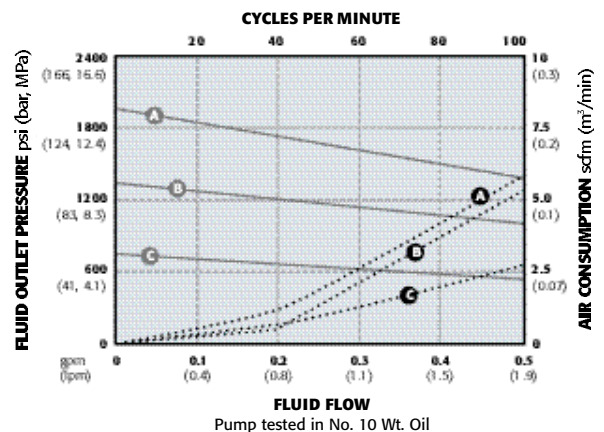
*Bare packages do not include hose and spray gun

Performance Chart for Falcon 10:1 Pump



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

Performance Chart for Falcon 20:1 Pump



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

Accessories

- 243340 Stainless Steel Pail Cover with Stainless Steel Agitator**
18.9 liter (5 gallon).
- 241812 Fluid Hose, 3/16 in ID x 7.6 m (25 ft)**
Anti-static polyurethane cover with fabric braid and nylon tubing. SST wetted parts. 1/4-18 npsm(fbe). Max. working pressure: 242 bar (24 MPa, 3500 psi).
- 241811 Air Hose, 1/4 in (6 mm) x 7.6 m (25 ft)**
Polyurethane. 1/4-18 npsm(fbe). Max. working pressure: 7 bar (0.7 MPa, 100 psi).
- 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.
- 241914 Stand**
Pail not included.
- 208536 Air Line, Quick-Disconnect**
Coupling, female, 1/4 npt(f)
- 169967 Air Line, Quick-Disconnect**
Pin, male, 1/4 npt(f)
- 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 need to order separately.
- 241594 Falcon 10:1 Bare Pump**
- 241595 Falcon 20:1 Bare Pump**
- 115898 Fluid Swivel Connector**
400 bar (40 MPa, 5800 psi) maximum working pressure connector to ease movement of the gun and fluid hose. 1/4-18 npsm. 17-4 PH SST wetted parts. Optional swivel fitting available.
- 238694 High Pressure Fluid Ball Valve**
350 bar (35 MPa, 5000 psi) maximum working pressure 3/8 npt(mbe). SST wetted parts, PEEK seats, PTFE seals. Compatible with acid-catalyzed materials. Can be used as fluid drain valve.
- 249473 Air Fitting and Tubing Kit**
Alternative-style connector for air inlet and hose. 3/8 in to 1/4 push-to-lock fitting, 7.62 m (25 ft) long, nylon tubing. Optional quick disconnect available.
- 249140 HVLP Verification Kit**
Use to check air cap air pressure at various air supply air pressure. Do not use for actual spraying.
- 249598 Unclogging Needle Kit**
Kit includes picks for unclogging gun tip.
- 101892 Gun Brush**
Use to clean the gun.
- 15C161 Ultimate Gun Cleaning Kit**
Kit includes brushes and tools for gun maintenance.
- 111265 Gun Lubricant**
One 113 g (4 oz) tube sanitary (non-silicone) lubricant for fluid seals and wear areas.

Spray Guns

See Ordering Information for specific gun and package options.

All guns include tip of choice

- 249233 G15 Air-Assisted Spray Gun**
287926 G15 Carbide, Air-Assisted Spray Gun
249242 G40 Air-Assisted Spray Gun
249238 G40 RAC, Air-Assisted Spray Gun

For more information reference AA Series Brochure, 336937.

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

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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