



King[®] 68:1 Air-Powered Pump

- **More durable than ever before with longer life packing design**
- **Higher pump pressure and flow performance handles a broader range of pumps and coatings**
- **Improved serviceability means fewer parts, faster repairs and lower overall maintenance and ownership costs**

**For durability,
power and
reliability under
the toughest
working
conditions**

The King air-powered pump produces the extra pressure you need to spray difficult-to-atomize coatings under extreme conditions. This pump is ideal for airless spray in cold weather or with long hoses. The high pressure ratio is also an advantage when air pressure is low.

Downtime is minimized by the King air motor design that has been developed and tested for more than 10 million cycles of operation.

Typical Fluids Handled

- Coal tar epoxy primers
- High-solids polyurethane top coatings
- Underbody coatings
- Corrosion control coatings

Typical Applications

- Container manufacturing
- Off-shore oil platform production
- Bridge maintenance and new construction
- Tank lining
- Pipe coating



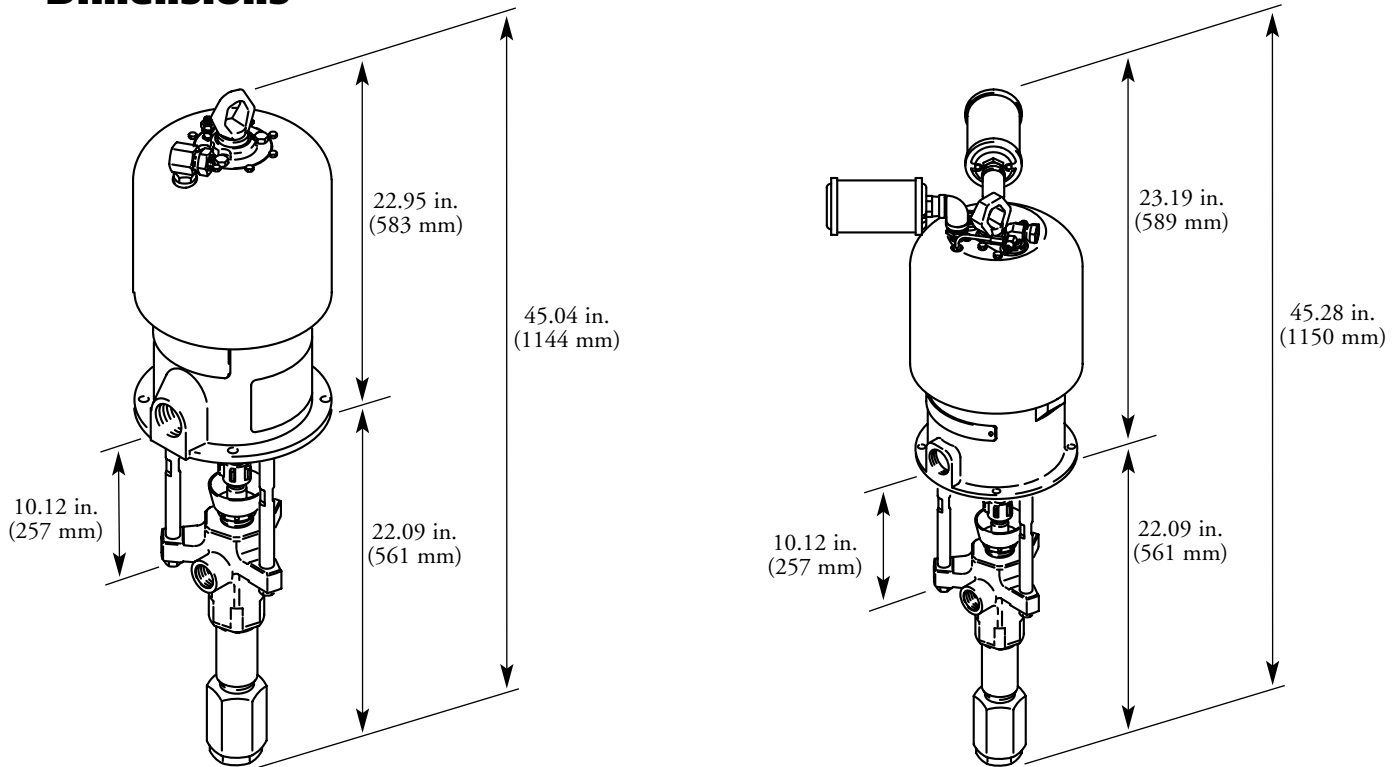
COMPONENTS

Technical Specifications

Maximum working pressure . 6120 psi (42.2 MPa, 422 bar)
Maximum air input pressure 90 psi (0.6 MPa, 6.3 bar)
Fluid flow at 60 cpm 2.9 gpm (11 lpm)
Volume per cycle 6.1 oz (180 cc)
Air inlet size 3/4 npsm(f)
Fluid inlet size 1-1/2 npt(f)

Fluid outlet size 3/4 npt(f)
Weight 105 lbs. (48 kg)
Instruction manuals
CS: 236-459, 237-364 308-417
SST: 237-635, 236-460 308-418

Dimensions



Ordering Information for King 68:1 Pump

Order number includes motor and pump lower assembly

Order Nos.	236-459	237-364	237-635	236-460
Pump Lower				
Part No.	238-116	238-116	236-456	236-456
Construction	CS	CS	SST	SST
Standard Packing Kit				
	238-117	238-117	237-240	237-240
	Leather	Leather	Leather	Leather
Replacement Packing Kit				
	238-118	238-118	237-242	237-242
	Teflon®	Teflon	Teflon	Teflon
	238-119	238-119	237-244	237-244
	UHMWPE/Leather	UHMWPE/Leather	UHMWPE/Leather	UHMWPE/Leather
	238-120	238-120	237-608	237-608
	UHMWPE/ Teflon	UHMWPE/ Teflon	UHMWPE/Teflon	UHMWPE/Teflon
Motor				
Repair Kit	207-730	220-153	207-730	220-153

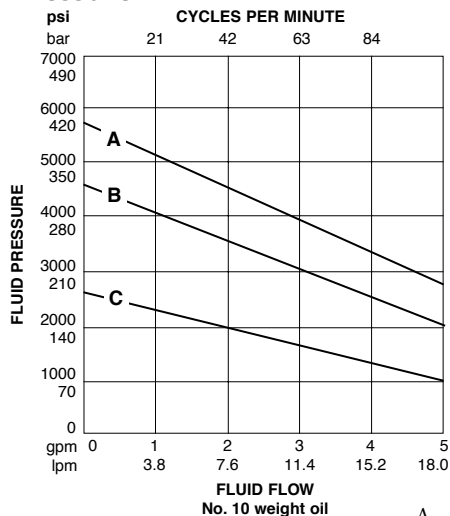
SERVICE PARTS INFORMATION

Pump Lower Part Nos.	238-116	238-116	236-456	236-456
Displacement Rod				
	189-853	189-853	189-853	189-853
Construction	SST	SST	SST	SST
Cylinder				
	189-857	189-857	189-857	189-857
Construction	SST	SST	SST	SST
Intake Valve (order separate part numbers)				
Intake Ball	102-973	102-973	102-973	102-973
Intake Valve Seat	222-930	222-930	236-585	236-585
Piston Valve (order separate part numbers)				
Piston Ball	112-264	112-264	101-859	101-859
Seat	237-790	237-790	237-790	237-790
Ball Guide	190-496	190-496	190-497	190-497

Teflon® is a registered trademark of Du Pont.

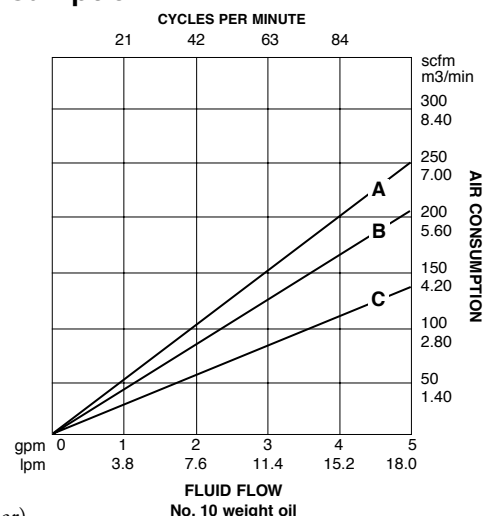
Performance Charts for King 68:1 Pump

Fluid Pressure



A = 90 psi (0.63 MPa, 6.3 bar)
 B = 70 psi (0.49 MPa, 4.9 bar)
 C = 40 psi (0.28 MPa, 2.8 bar)

Air Consumption



Accessories

236-995 Model 510 Airless Spray Gun

Maximum working pressure: 7400 psi (51 MPa, 510 bar). Includes HD RAC tip retainer (237-162) and GHD-527 tip.

Grounded Nylon Hose

Maximum working pressure: 7400 psi (51 MPa, 510 bar)

237-071 ID 1/4 in. x 50 ft. (6.3 mm x 15 m)
1/4 npsm(fbe)

237-213 ID 1/2 in. x 50 ft. (12.7 mm x 15 m)
1/2 npsm(fbe)

237-070 ID 1/4 in. x 6 ft. (6.3 mm x 1.8 m)
1/4 npsm(fbe)

237-072 ID 3/8 in. x 50 ft. (9.5 mm x 15 m)
3/8 npsm(fbe)

Nipples

Use to connect hoses together.

156-971 1/4 x 1/4 in. (6.3 x 6.3 mm)

165-198 1/4 x 3/8 in. (6.3 x 9.5 mm)

162-449 1/4 x 1/2 in. (6.3 x 12.7 mm)

159-239 3/8 x 1/2 in. (9.5 x 12.7 mm)

158-491 1/2 x 1/2 in. (12.7 x 12.7 mm)

237-162 HD RAC Tip Retainer

Maximum working pressure: 7400 psi (51 MPa, 510 bar). Fits guns with 7/8-in. thread, included as part of Model 510 Gun (236-995).

236-987 SST Hose Swivel

Maximum working pressure: 7400 psi (51 MPa, 510 bar). Inlet and outlet: 1/4 npt(m).

Ball Valve

Maximum working pressure: 7400 psi (51 MPa, 510 bar). Includes heavy duty handle.

237-303 1/4 npt(mbe)

237-304 3/8 npt(mbe)

237-960 Adapter

Use for ram mounting. 1-1/2 npt(m) x flange
Includes lug kit (222-776).

237-961 Floor Stand Kit

Includes floor stand (222-274) and adapter (237-960).

235-417 Connection Kit

Includes the tie rods and parts necessary to connect lower displacement pump (238-116 or 236-456) to existing King air motor.

224-040 Runaway Valve

Maximum working pressure: 120 psi (0.8 MPa, 8.4 bar).
Inlet and outlet: 3/4 npt(f).

217-073 Air Filter Regulator Lubricator

113-494 Modular Style Air Filter and Regulator

231-414 Heavy Duty Drum Agitator Package

SST. Includes agitator, siphon tube, drum cover and elevator.