



First choice when  
quality counts.

# Viscount® II 2000 and 2700 Hydraulic-Powered Pumps

- **Energy-efficient - uses 1/3 the power to operate as compared to compressed air-powered systems**
- **Quiet, clean operation with no airborne contamination**
- **No stoppage due to ice build-up**
- **Long life and low maintenance costs**

**For durability,  
power and  
reliability under  
tough working  
conditions**

The Viscount II pumps are offered in two models: 1.3:1 and 1.8:1. The 1.3:1 pump develops pressures to 2000 psi (13.8 MPa, 138 bar) and 9.2 gpm (35 lpm) at 60 cpm. The 1.8:1 pump develops pressures to 2700 psi (18.6 MPa, 186 bar) and 6.9 gpm (26 lpm) at 60 cpm.

The Viscount II hydraulic motor has been designed and tested for more than 10,000,000 cycles of operation.

These pumps offer low cost of ownership. The rugged pump lower construction with Severe Duty rods and cylinders reduces downtime and extends the interval between repairs. The simple construction makes service and repair fast and easy.

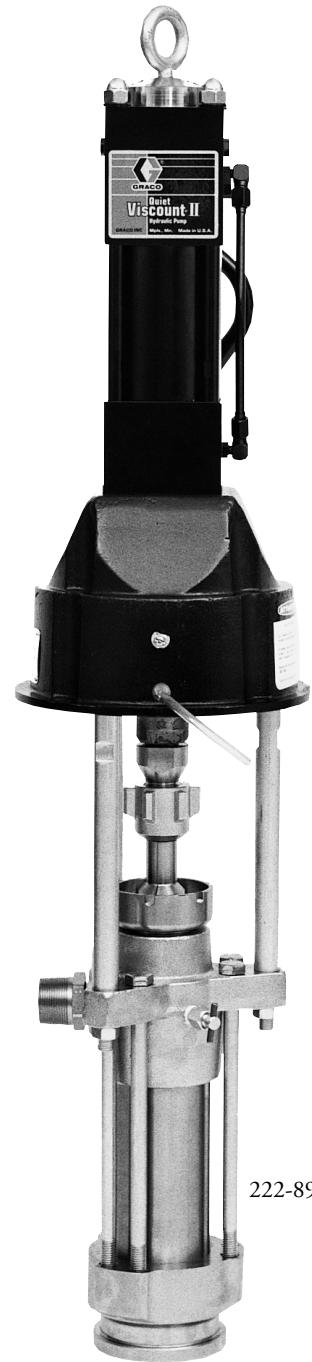
The efficient hydraulic power makes these pumps the ideal choice for outdoor mobile use, even at below freezing temperatures.

## Typical Fluids Handled

- Solventborne paints and coatings
- Waterborne paints and coatings
- Roof coatings
- Waterproofing materials
- Lubricating fluids

## Typical Applications

- Air-assisted airless spray
- Airless spray
- Road marking and striping
- Bulk or transfer supply



222-892

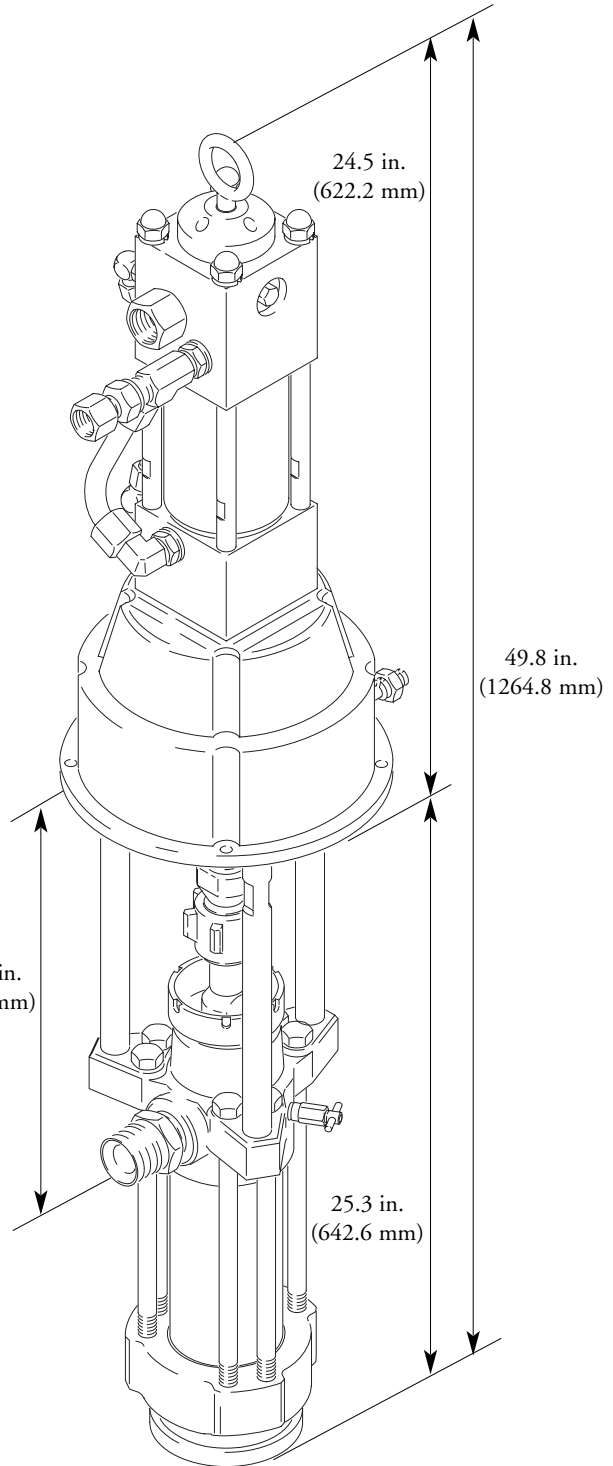
COMPONENTS

# Technical Specifications

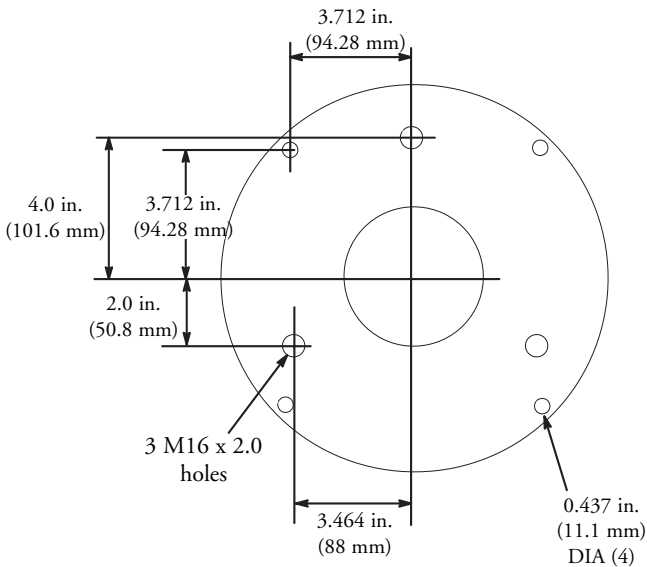
- Max. fluid output pressure**
- Viscount II 2000 . . . . . 2000 psi (13.8 MPa, 138 bar)
- Viscount II 2700 . . . . . 2700 psi (18.6 MPa, 186 bar)
- Max. hydraulic input pressure .** 1500 psi (10.5 MPa, 105 bar)
- Fluid flow at 60 cpm**
- Viscount II 2000 . . . . . 9.2 gpm (35 lpm)
- Viscount II 2700 . . . . . 6.9 gpm (26 lpm)
- Oil flow at 60 cpm . . . . . 12 gpm (45 lpm)**
- Hydraulic motor fluid inlet . . . . . 3/4 npt(f)**
- Hydraulic motor fluid outlet. . . . . 1 npt(f)**
- Pump fluid inlet . . . . . 2 npt(f)**
- Pump fluid outlet . . . . . 1-1/2 npt(m)**
- Instruction manuals**
- Viscount 2000, CS . . . . . 308-151
- Viscount 2000, SST . . . . . 308-152
- Viscount 2700, CS . . . . . 308-147
- Viscount 2700, SST . . . . . 308-148

Teflon® is a registered trademark of Du Pont.  
 Severe Duty™ is a trademark of Graco Inc.

# Dimensions



# Mounting Hole Layout



# Ordering Information for Viscount II 2000 and 2700

Order number includes motor and pump lower assembly

Order Nos.	Viscount II 2000		Viscount II 2700	
	222-834	222-900	222-892	222-897
<b>Pump Lower</b>				
Part No.	222-801	222-803	222-796	222-805
Construction	CST	SST	CST	SST
Standard Piston Seal Repair Kits	222-879	222-875	222-849	222-845
Construction	Teflon/Leather	UHMWPE/Teflon	Teflon/Leather	UHMWPE/Teflon
Optional Piston Seal Repair Kits	222-875	222-876	222-845	222-846
Construction:	UHMWPE/Teflon	Teflon	UHMWPE/Teflon	Teflon
	222-876	222-877	222-846	222-847
	Teflon	Leather/Teflon	Teflon	Leather/Teflon
	222-877	222-878	222-847	222-848
	Leather/Teflon	UHMWPE/Leather	Leather/Teflon	UHMWPE/Leather
	222-878	222-879	222-848	222-849
	UHMWPE/Leather	Teflon/Leather	UHMWPE/Leather	Teflon/Leather

**Motor** (Note: Viscount II is equivalent in power to a Graco King air motor.)

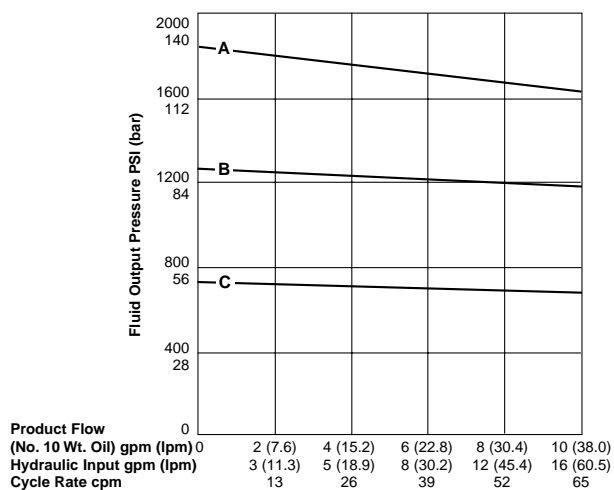
223-654: Repair Kit

## SERVICE PARTS INFORMATION

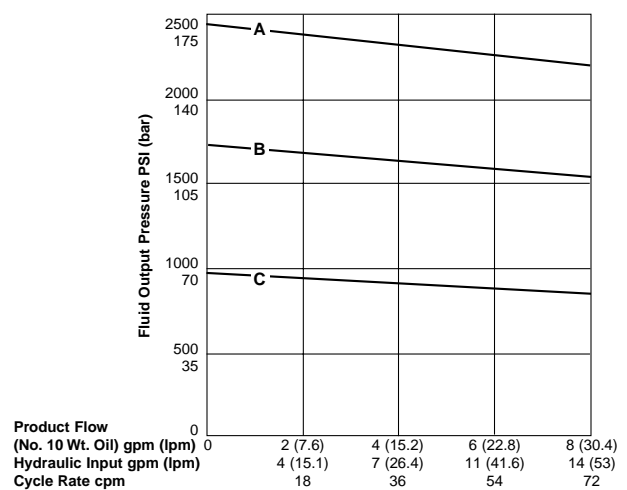
Pump Lower Part Nos.	222-801	222-803	222-796	222-805
Displacement Rod	184-002	184-002	184-276	184-276
Construction*	Severe Duty	Severe Duty	Severe Duty	Severe Duty
Cylinder	184-003	184-003	184-461	184-461
Construction*	Severe Duty	Severe Duty	Severe Duty	Severe Duty
Intake Valve (order separate part numbers)				
Intake Ball	102-974 SST	110-294 SST	102-974 SST	110-294 SST
Intake Valve Seat**	222-794	222-838	222-794	222-838
Piston Valve (order separate part numbers)				
Piston Ball	108-001 SST	109-220 SST	102-973 SST	109-219 SST
Seat**	222-802	222-802	222-795	222-795
Ball Guide	184-297	184-297	184-283	184-283

\* Severe Duty is chrome over SST \*\* SST/Carbide

## Performance Chart for Viscount II 2000



## Performance Chart for Viscount II 2700



Key:  
 A = 1500 psi (105 bar) Input Pressure  
 B = 1050 psi (74 bar) Input Pressure  
 C = 600 psi (42 bar) Input Pressure  
 Performance tested in no. 10 weight motor oil 65 cp at 68° F (20° C)

# Accessories

## Hydraulic Supply Line Hose

Maximum working pressure: 2000 psi (14.0 MPa, 140 bar).  
ID: 1/2 in. Coupled: 1/2 npt(m) x 3/4-16 SAE 37° flare(f),  
90° swivel elbow, grounded.

- 180-090** Length: 3 ft. (0.9 m)
- 180-093** Length: 6 ft. (1.8 m)

## Hydraulic Return Line Hose

Maximum working pressure: 1500 psi (10.5 MPa, 105 bar).  
ID: 5/8 in. Coupled: 3/4 npt(m) x 7/8-14 SAE 37° flare(f),  
90° swivel elbow, grounded.

- 180-091** Length: 3 ft. (0.9 m)
- 180-092** Length: 6 ft. (1.8 m)

## 102-644 Shut-off Valve

For hydraulic supply or return line; 3/4 npt(f).

## Graco-Approved Hydraulic Fluid

- 169-236** 5 Gallon (19 liter)
- 207-428** 1 Gallon (3.8 liter)

## 222-916 Suction Kit

Connect to pump fluid intake, to draw fluid from a 55 gallon (200 liter) drum. Includes hose, tube, and fittings.

## 184-545 Pump Extension Tube (Carbon Steel)

Screws into fluid intake, to make a drum-length pump.

## 206-221 Wall Mount Brackets

Mounts pump to a wall.

## 109-508 Service Tool

Fits over the top of the displacement rod, making it easier to apply a 24-inch adjustable wrench or 3/4 in. drive socket when connecting or disconnecting the rod from the piston assembly.

## 222-955 Anti-Seize Lubricant

Prevents parts from seizing, making disassembly easier. Required lubricant for threads and mating faces of displacement rod, piston ball guide, and piston seat housing. Can size: 16 oz. (454 gram).

## 237-569 Grounding Wire

Length: 25 ft. (7.6 mm). 12 gauge (1.5 mm<sup>2</sup>).

## Fluid Drain Valve (Carbon Steel)

Maximum working pressure: 5000 psi (35.0 MPa, 350 bar).  
Open to relieve fluid pressure in hose and gun/valve.

- 210-657** 1/4 npt(mbe)
- 210-658** 3/8 npt(mbe)
- 210-659** 1/4 npt x 3/8 npt(mbe)

## 238-620 Fluid Filter (Carbon Steel)

Maximum working pressure: 5000 psi (35.0 MPa, 350 bar).  
Filters fluid and dampens fluid surges to the gun.  
SST screen: 250 micron (60 mesh). Outlets:  
3/4 npt(f) inlet, 3/8 npt(f) and 1/2 npt(f). Includes  
drain valve (210-658). To mount directly to pump  
fluid outlet, use 3/4 npt fitting 184-470.

## 184-470 Fluid Outlet Reducer Fitting

Replaces standard 1-1/2 npt(m) fluid outlet fitting,  
to allow connection of 3/4 npt(f) hose. Also  
required to connect Fluid Filter (214-625) directly  
to pump outlet. 3/4 npt(m) x M42 x 2.0. CS.

## Stainless Steel Filter Screens

For use with Fluid Filter (214-625).

- | 3 Pak          | 25 Pak         |                               |
|----------------|----------------|-------------------------------|
| <b>238-435</b> | <b>238-436</b> | 595 micron (30 mesh)          |
| <b>238-437</b> | <b>238-438</b> | 250 micron (60 mesh) Standard |
| <b>238-439</b> | <b>238-440</b> | 149 micron (100 mesh)         |
| <b>238-441</b> | <b>238-442</b> | 75 micron (200 mesh)          |

## Grounded Nylon Hose

Maximum working pressure: 3000 psi (21.0 MPa, 210 bar).

Part No.	ID	Length	Thread Size
<b>214-700</b>	3/16 in. (5 mm)	2 ft. (0.6 m)	1/4 npsm(f)
<b>214-701</b>	3/16 in. (5 mm)	3 ft. (0.9 m)	1/4 npsm(f) x 1/4 npt(m)
<b>223-540</b>	1/4 in. (6.3 mm)	25 ft. (7.6 m)	1/4 npsm(f)
<b>223-541</b>	1/4 in. (6.3 mm)	50 ft. (15.2 m)	1/4 npsm(f)
<b>214-703</b>	3/8 in. (9.5 mm)	25 ft. (7.6 m)	3/8 npt(m)
<b>214-705</b>	3/8 in. (9.5 mm)	50 ft. (15.2 m)	3/8 npt(m)
<b>214-920</b>	3/8 in. (9.5 mm)	100 ft. (30.4 m)	3/8 npt(m)