



First choice when
quality counts.

Viscount® II 5000 Hydraulic-Powered Pumps

**Viscount II
pumps for
durability,
power and
reliability under
tough working
conditions**

- **More durable than ever before with improved longer-life packings and stronger design**
- **Higher pump pressure and flow performance handles a broader range of paints and coatings**
- **Improved serviceability means fewer parts, faster repairs and lower overall maintenance and ownership costs**
- **Uses efficient, clean and quiet hydraulic power**

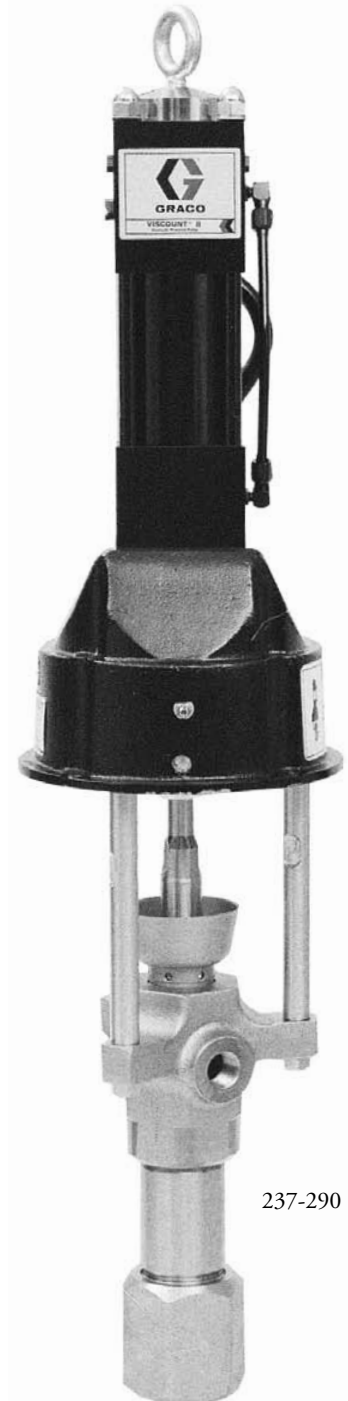
This heavy duty hydraulic pump is designed for continuous operation. The motor is designed for more than 10 million cycles of life. It provides reliable, clean and quiet operation. There is no stoppage due to ice build-up as is common with compressed air-powered motors.

Typical Fluids Handled

- Solventborne paints
- Polyurethane top coats
- Epoxy primers

Typical Applications

- Multiple airless gun supply pump in outdoor portable applications
- Multiple airless gun supply pump in factory operations with limited compressed air supplies



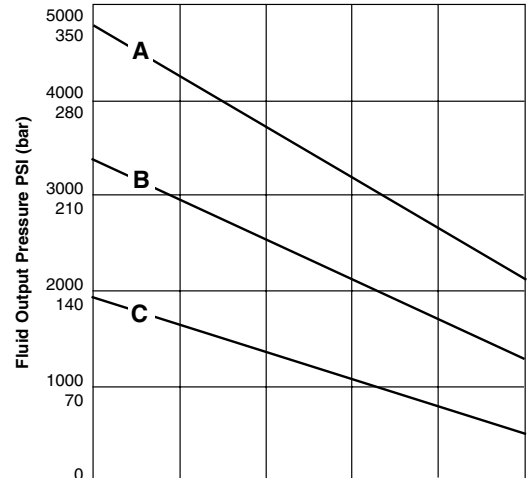
237-290

Technical Specifications

Max. fluid working pressure	345 bar (34.5 MPa)
Max. hydraulic input pressure	99 bar (9.9 MPa)
Fluid flow at 60 cpm	12.9 l/Min.
Oil flow at 60 cpm	45 l/Min.
Hydraulic motor piston	
effective area	4.9 in. ² (31.6 cm ²)
Stroke length	4.75 in. (120 mm)
Displacement pump effective area	1.4 in. ² (9 cm ²)
Max. pump operating temperature	82°C
Noise level at 25 cpm	88 dB(A)
Sound power level at 25 cpm	103 dB(A)
Hydraulic oil inlet	3/4 npt(f)
Fluid inlet	2" npt(f)
Fluid outlet	1" npt(f)
Instruction manual	
Pump and lower displacement pump	308-353
Motor (235-345)	307-158

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

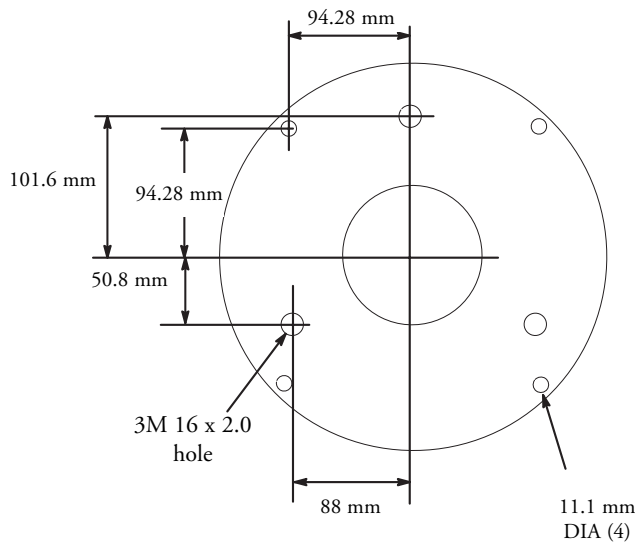
Performance Chart for Viscount II 5000



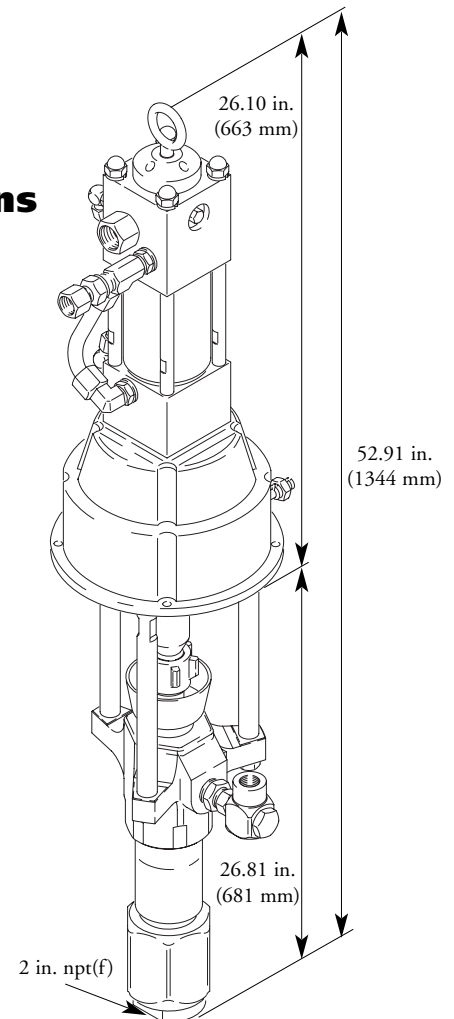
Product Flow (No. 10 Wt. Oil) gpm (lpm)	0	1 (3.8)	2 (7.6)	3 (11.4)	4 (15.2)	5 (19.0)
Hydraulic Input gpm (lpm)		2 (7.6)	4 (15.2)	6 (22.8)	8 (30.4)	10 (38)
Cycle Rate cpm		18	36	54	72	90

Key:
A = 99 bar Input Pressure
B = 70 bar Input Pressure
C = 40 bar Input Pressure
Performance tested in no. 10 weight motor oil 65 cp at 20° C

Mounting Hole Layout



Dimensions



Ordering Information for Viscount II 5000

— Order number includes motor and pump lower assembly —

Order Nos.	237-290
Pump Lower	
Part No.	236-466
Construction	CST
Standard Piston Seal Repair Kits	237-163
Construction	Leather/Teflon (backup)
Optional Piston Seal Repair Kits Available	237-164
Construction	Teflon
	237-165
	UHMWPE/Leather
	237-709
	UHMWPE/Teflon
Motor (Note: Viscount II is equivalent in power to a Graco King air motor.)	
	188-087: Hydraulic Piston Assembly
	223-654: Repair Kit

SERVICE PARTS INFORMATION

Pump Lower Part Nos.	236-466
Displacement Rod	189-316
Construction	Stainless Steel
Cylinder	189-383
Construction	Stainless Steel
Intake Valve (order separate part numbers)	
Intake Ball	108-001
Intake Valve Seat	236-587
Piston Valve (order separate part numbers)	
Piston Ball	100-400
Seat	189-497

Accessories

Hydraulic Supply Line Hose

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

180-090 Length: 0.9 m
180-093 Length: 1.8 m

Hydraulic Return Line Hose

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

180-091 Length: 0.9 m
180-092 Length: 1.8 m

102-644 Shut-off Valve

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

Graco-Approved Hydraulic Fluid

169-236 19 litre
207-428 3.8 litre

222-916 Suction Kit

Connect to pump fluid intake, to draw fluid from a 200 litre 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.

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: 7.6 mm. 12 gauge (1.5 mm²).

Fluid Drain Valve (Carbon Steel)

Maximum working pressure: 350 bar (35.0 MPa).
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: 350 bar (35.0 MPa).
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.

Stainless Steel Filter Screens

For use with Fluid Filter (214-625).

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

Grounded Nylon Hose

Maximum working pressure: 210 bar (21.0 MPa).

Part No.	ID	Length	Thread Size
214-700	3/16" (5 mm)	20.6 m	1/4" npsm(f)
214-701	3/16" (5 mm)	0.9 m	1/4" npsm(f) x 1/4" npt(m)
223-540	1/4" (6.3 mm)	7.5 m	1/4" npsm(f)
223-541	1/4" (6.3 mm)	15 m	1/4" npsm(f)
214-703	3/8" (9.5 mm)	7.5 m	3/8" npt(m)
214-705	3/8" (9.5 mm)	15 m	3/8" npt(m)
214-920	3/8" (9.5 mm)	30 m	3/8" npt(m)

Graco is registered to I.S. EN ISO 9001.
Any and all specifications contained herein are subject to change without notice.



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