



Viscount® II 1000, 2000, & 2600

Hydraulic Pumps

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Features and Benefits


- Quiet, clean operation with no airborne contamination
- No production downtime due to ice build-up
- Long life and low maintenance costs

Typical Applications

- Wood finishing operations
- Line striping trucks
- Lubrication trucks
- Bulk transfer

Typical Coatings Applied

- Solventborne paints and coatings
- Waterborne paints and coatings
- Roof coatings
- Waterproofing materials
- Stains and lacquers
- Paints
- Lubricating fluids



Energy-efficient Viscount II motor reduces costs

Proven and durable Dura-Flo Pump

**Viscount II 2600
222892**

Viscount II 1000, 2000 & 2600

Hydraulic Pumps

Technical Specifications

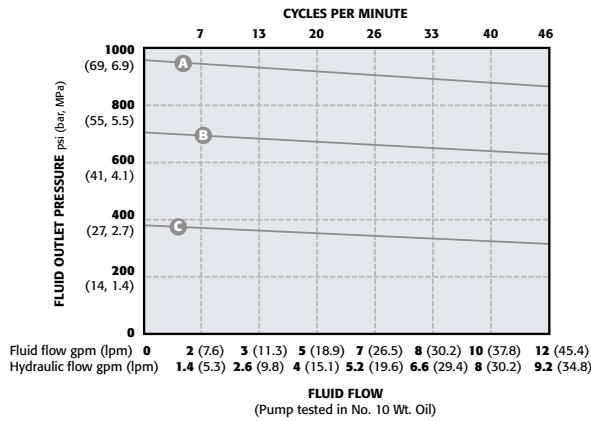
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	Viscount II 1000	Viscount II 2000	Viscount II 2600
Fluid pressure ratio	0.67:1	1.3:1	1.8:1
Maximum fluid outlet pressure	1000 psi (69 bar, 6.9 MPa)	2000 psi (138 bar, 13.8 MPa)	2600 psi (179 bar, 18 MPa)
Maximum hydraulic fluid pressure	1500 psi (104 bar, 10.4 MPa)	1500 psi (104 bar, 10.4 MPa)	1500 psi (104 bar, 10.4 MPa)
Oil flow @ 60 cpm	12 gpm (45 lpm)	12 gpm (45 lpm)	12 gpm (45 lpm)
Fluid flow @ 60 cpm	15 gpm (56.7 lpm)	9.2 gpm (34.7 lpm)	6.8 gpm (25.9 lpm)
Volume per cycle	32 oz. (945 cc)	20 oz. (578 cc)	15 oz. (431 cc)
Sound pressure level @1000 psi (69 bar, 6.9 MPa) oil @ 20 cpm	78 dBA	78 dBA	78 dBA
Hydraulic motor inlet	3/4 npt(f)	3/4 npt(f)	3/4 npt(f)
Hydraulic motor outlet	1 npt(f)	1 npt(f)	1 npt(f)
Pump fluid inlet	2 npt(f)	2 npt(f)	2 npt(f)
Pump fluid outlet	1-1/2 npt(f)	1-1/2 npt(m)	1-1/2 npt(m)
Weight	98 lbs. (44 kg)	196 lbs. (89 kg)	196 lbs. (89 kg)
Instruction manual	307160	308151 (Model 222834) 308152 (Model 222900)	308147 (Model 222892) 308148 (Model 222897)

Viscount II 1000, 2000 & 2600 Hydraulic Pumps

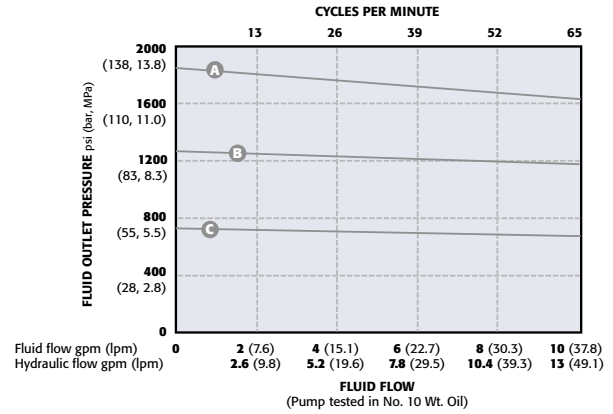
Performance Charts

VISCOUNT II 1000



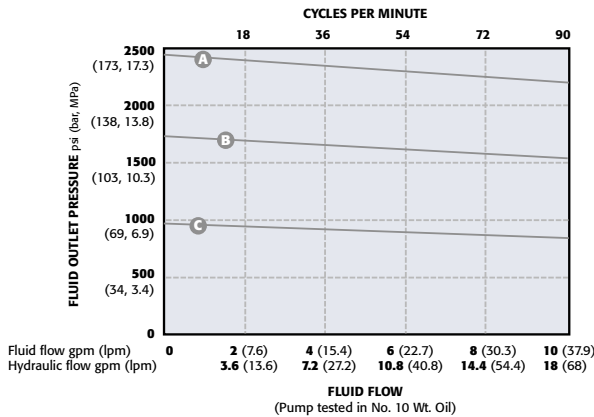
HYDRAULIC OIL PRESSURES
(A) = @ 1500 psi (103 bar, 10.3 MPa)
(B) = @ 1050 psi (72 bar, 7.2 MPa)
(C) = @ 600 psi (41 bar, 4.1 MPa)

VISCOUNT II 2000



HYDRAULIC OIL PRESSURES
(A) = @ 1500 psi (103 bar, 10.3 MPa)
(B) = @ 1050 psi (72 bar, 7.2 MPa)
(C) = @ 600 psi (41 bar, 4.1 MPa)

VISCOUNT II 2600



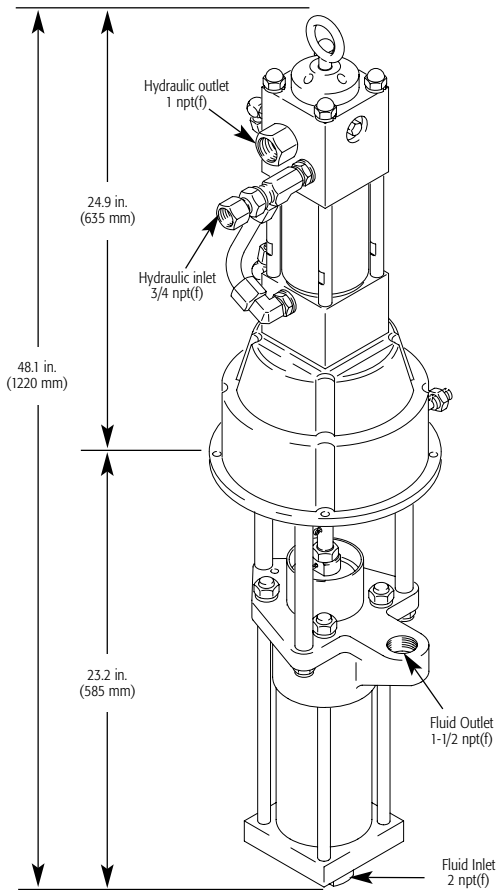
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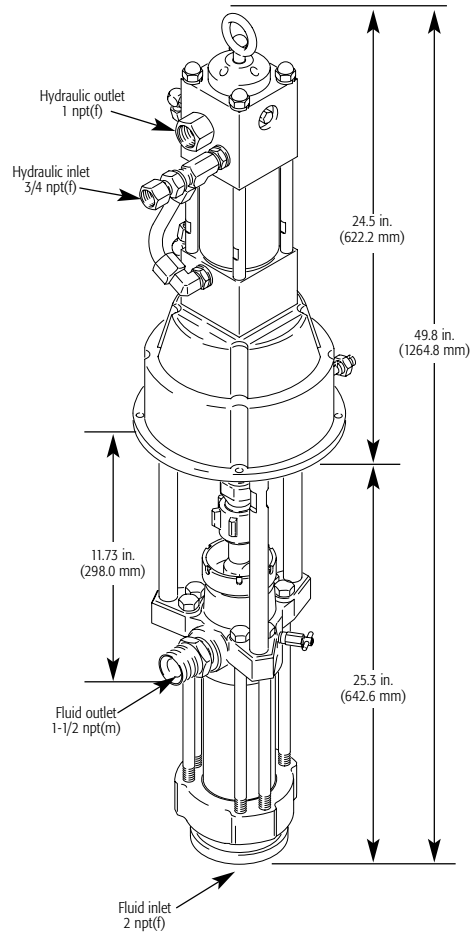
Viscount II 1000, 2000 & 2600 Hydraulic Pumps

Dimensions

VISCOUNT II 1000



VISCOUNT II 2000 & 2600



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Viscount II 1000, 2000 & 2600

Hydraulic Pumps

Ordering Information - Viscount II 1000, 2000, 2600 Bare Pumps

1. Select appropriate hydraulic pump (Viscount II 1000, 2000 or 2600) based on pressure and flow requirements of the application.
2. Select lower pump displacement construction (CS - carbon steel or SST - stainless steel) based on the corrosive and chemical characteristics of the fluid to be handled.
3. Order pump part number.

Pump part number includes motor and lower displacement pump

	Viscount II 1000	Viscount II 2000	Viscount II 2000	Viscount II 2600	Viscount II 2600
Pump part number	210313	222834	222900	222892	222897
Hydraulic motor/reciprocator	235345	235345	235345	235345	235345
Lower displacement pump	210208	222801	222803	222796	222805
Construction	CS	CS	SST	CS	SST
Seal construction	4 UHMWPE/ 2 Leather	3 Teflon/ 2 Leather	3 UHMWPE/ 2 Teflon	3 Teflon/ 2 Leather	3 UHMWPE/ 2 Teflon

Replacement Parts Ordering Information

Hydraulic motor repair kit	223654	223654	223654	223654	223654
Standard seal repair kits	223439	222879	222875	222849	222845
Construction	4 UHMWPE/ 2 Leather	3 Teflon/ 2 Leather	3 UHMWPE/ 2 Teflon	3 Teflon/ 2 Leather	3 UHMWPE/ 2 Teflon
Optional seal repair kits	224443	222876	222876	222847	222847
Construction	4 UHMWPE/ 2 Leather	5 Teflon	5 Teflon	4 Leather/ 1 Teflon	4 Leather/ 1 Teflon
Optional seal repair kits	N/A	222877	222877	222846	222846
Construction		4 Leather/ 1 Teflon	4 Leather/ 1 Teflon	5 Teflon	5 Teflon
Optional seal repair kit	N/A	222878	222878	222845	222849
Construction		3 UHMWPE/ 2 Leather	3 UHMWPE/ 2 Leather	3 UHMWPE/ 2 Teflon	3 Teflon/ 2 Leather
Optional seal repair kit	N/A	222875	222879	222848	222848
Construction		3 UHMWPE/ 2 Teflon	3 Teflon/ 2 Leather	3 UHMWPE/ 2 Leather	3 UHMWPE/ 2 Leather
Optional seal repair kit	N/A	222880	222880	N/A	N/A
Construction		3 UHMWPE/ 2 Tuff-Stack	3 UHMWPE/ 2 Tuff-Stack		
Standard displacement rod	217478	184002	184002	184276	184276
Construction	CS	SST	SST	SST	SST
Optional displacement rod	N/A	687119	687119	687118	687118
Construction		Ceramic	Ceramic	Ceramic	Ceramic
Cylinder	181269	184003	184003	184461	184461
Construction	SST	SST	SST	SST	SST

Viscount II 1000, 2000 & 2600 Hydraulic Pumps

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Ordering Information - Viscount II 1000, 2000, 2600 Bare Pumps (continued)

The following lower displacement pumps are not offered in complete Viscount II pump assemblies. To configure a complete Viscount II 2000 or 2600 pump with these lowers:

1. Select desired lower displacement pump, based on fluid pressure and flow requirements and seal construction.
2. Select appropriate seal construction based on the chemical characteristics of the fluid to be handled.
3. Order standard Viscount II hydraulic motor 235345.
4. Order pump connection kit 222976.

Additional Lower Displacement Pumps

Lower displacement pump	222991	222992	241648	236226	222994
Description	Viscount II 2000 Lower	Viscount II 2000 Lower	Viscount II 2000 Lower	Viscount II 2000 Lower	Viscount II 2000 Lower
Material of construction	CS	CS	SST	SST	SST
Standard seal kit	222877	222876	222880	222875	222876
Construction	4 Leather/1 Teflon	5 Teflon	3 UHMWPE/2 Tuff-Stack	3 UHMWPE/2 Teflon	Teflon
Standard displacement rod	184002	184002	184002	184002	184002
Construction	SST	SST	SST	SST	SST
Standard cylinder	184003	184003	184003	184003	184003
Construction	SST	SST	SST	SST	SST

Additional Lower Displacement Pumps

Lower displacement pump	236230	222993	222988	241956	687055	C59703
Description	Viscount II 2000 Lower	Viscount II 2000 Lower	Viscount II 2600 Lower	Viscount II 2600 Lower	Viscount II 2600 Lower	Viscount II 2600 Lower
Material of construction	SST	SST	CS	SST	SST	SST w/carbide balls
Standard seal kit	222877	222879	222846	222845	N/A	222845
Construction	4 Leather/ 1 Teflon	3 Teflon/ 2 Leather	5 Teflon	3 UHMWPE/ 2 Teflon	3 UHMWPE/ 2 Tuff-Stack	3 UHMWPE/ 2 Teflon
Standard displacement rod	184002	184002	184276	687118	184276	184276
Construction	SST	SST	SST	Ceramic	SST	SST
Standard cylinder	184003	184003	184461	184461	184461	184461
Construction	SST	SST	SST	SST	SST	SST

Viscount II 1000, 2000 & 2600

Hydraulic Pumps

Accessories

GUNS AND TIPS

- 238591 Silver Plus Gun**
Maximum working pressure: 5000 psi (34.5 MPa, 345 bar). With HD RAC tip and guard.
- 237162 HD RAC Tip Retainer**
Maximum working pressure: 7400 psi (51 MPa, 510 bar). Fits guns with 7/8 in. (22.2 mm) thread, included as part of 236995 Model 510 Gun.
- 222674 HD RAC Tip Retainer With DripLess Guard**
Inlet: 7/8 in. (22.2 mm) thread.
- GHDxxx HD RAC Tips**

FLUID HOSES

Whip Hose

- Maximum working pressure: 3000 psi (20.7 MPa, 207 bar). ID 3/16 in. (5 mm). 1/4 npt(mbe).
- 214700** 2 ft. (0.6 m)
214701 3 ft. (0.9 m)

Fluid Hose

- Maximum working pressure: 3000 psi (20.7 MPa, 207 bar). ID 3/8 in. (9.52 mm). 3/8 npt(mbe).
- 214703** 25 ft. (7.62 m)
214705 50 ft. (15.24 m)
214920 100 ft. (30.4 m)
- Maximum working pressure: 3000 psi (20.7 MPa, 207 bar). ID 1/4 in. (6.3 mm). 1/4 npsm(fbe).
- 223540** 25 ft. (7.62 m)
223541 50 ft. (15.24 m)

HYDRAULIC HOSES

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.
- 180090** 3 ft. (0.9 m)
180093 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.
- 180091** 3 ft. (0.9 m)
180092 6 ft. (1.8 m)

CONTROLS AND VALVES

- 102644 Shut-Off Valve**
For hydraulic supply or return line. 3/4 npt(f).
- 102646 Shut-Off Valve**
For hydraulic supply or return line. 1 npt(f).
- Fluid Drain Valve (Carbon Steel)**
Maximum working pressure: 5000 psi (34.5 MPa, 345 bar). Open to relieve fluid pressure in hose and gun/valve.
- 210657** 1/4 npt(mbe)
210658 3/8 npt(mbe)
210659 1/4 npt x 3/8 npt(mbe)

ADAPTERS AND FITTINGS

Hose Swivel

- 214925** Maximum working pressure: 5000 psi (34.5 MPa, 345 bar). 3/8 npt(f) x 1/4 npsm(f).
- 236987** Maximum working pressure: 7400 psi (51 MPa, 510 bar). 1/4 npsm(m) x 1/4 npsm(f).
- 189018** Maximum working pressure: 5800 psi (39.9 MPa, 399 bar). 1/4 npsm(m) x 1/4 npsm(f).

156173 Union Swivel

Maximum working pressure: 7400 psi (51 MPa, 510 bar). Use to connect 3/8 in. (9.5 mm) hoses together. 3/8 npt(f) x 3/8 npsm(f).

150287 Hose Coupler

Maximum working pressure: 8000 psi (55 MPa, 550 bar). Use to connect 3/8 in. (9.5 mm) hose to whip hose. 3/8 npt(f) x 1/4 npt(m).

Gun Swivels (25 Pack)

Maximum working pressure: 3600 psi (25 MPa, 250 bar). 1/4 npsm(f) x 1/4 npt(m).

- 239663** Leather
223341 Teflon

Maximum working pressure: 5000 psi (34.5 MPa, 345 bar).

- 214925** Leather 1/4 npsm(f) 3/8 npt(f)
214926 Leather 1/2 npsm(f) 3/8 npt(f)

Maximum working pressure: 5800 psi (48 MPa, 406 bar).

- 239394** Swivel with Built-in Filter

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Hydraulic Pumps

Accessories (continued)

Nipples

Use to connect hoses together.

- 156971** Maximum working pressure: 7500 psi (51.7 MPa, 517 bar).
1/4 npt x 1/4 npt(mbe).
- 165198** Maximum working pressure: 10000 psi (69 MPa, 690 bar).
1/4 npt x 3/8 npt(mbe).
- 162449** Maximum working pressure: 7400 psi (51 MPa, 510 bar).
1/4 npt x 1/2 npt(mbe).
- 159239** Maximum working pressure: 7400 psi (51 MPa, 510 bar).
3/8 npt x 1/2 npt(mbe).
- 158491** Maximum working pressure: 7400 psi (51 MPa, 510 bar).
1/2 npt x 1/2 npt(mbe).

184470 Fluid Outlet Reducer Fitting (CS)
Allows connection of 3/4 npt(f) hose 3/4 npt(m) x M42 x 2.0.

237569 Grounding Wire
Length: 25 ft. (7.6 mm), 12 gauge (1.5 mm²).

SUCTION KITS AND ACCESSORIES

Hydraulic Agitator and Drum Cover

214906 Drum size: 55-gal. (200 L)

- 184545 Suction Tube Extension**
Screws into fluid intake to make a drum length pump.
- 222916 Suction Kit, Carbon Steel**
Connect to pump fluid inlet to draw fluid from 55-gal. (200 L) drum. Includes ID 1-1/2 in. 222914 polyethylene hose, 8 ft. (2.4 m) length and 2 npt(m) outlet fitting.
- 236054 Siphon Kit, Carbon Steel**
Use to siphon material out of 55-gal. (200 L) drum. Includes ID 3/8 in. 109105 nylon suction hose, 6 ft. (1.8 m) long, 1-1/2 npt(m) outlet fitting.
- 208920 Siphon Kit, Aluminum**
Use to siphon fluid from a 5-gal. (18.9 L) pail. Includes ID 1 in. 170706 nylon suction hose, 4 ft. (1.2 m) long, 3/4 npt(f) swivel outlet fitting.
- 207484 Siphon Kit, Aluminum**
Use to siphon fluid from a 5-gal. (18.9 L) pail. Includes ID 3/4 in. 214960 nylon suction hose, 3.5 ft. (1.1 m) long, 3/4 npt(f) swivel outlet fitting.
- 208259 Siphon Kit, Carbon Steel**
Use to siphon fluid from a 55-gal. (200 L) drum. Includes 214961 ID 3/4 in. nylon suction hose, 6 ft. (1.8 m) long, 3/4 npt(f) swivel outlet fitting and bung adapter.

FILTERS

Replacement Screen Filter Elements

3 Pack	25 Pack	
238435	238436	30 mesh (595 micron)
238437	238438	60 mesh (250 micron)
238439	238440	100 mesh (149 micron)
238441	238442	200 mesh (75 micron)

Red Alert Filters

Built-in bypass with pop-up indicator.

- 207994** with 30 mesh (595 micron) element
- 207995** with 60 mesh (250 micron) element
- 207996** with 100 mesh (149 micron) element
- 207997** with 150 mesh element
- 207998** with 200 mesh (75 micron) element

238620 Fluid Filter (Carbon Steel)

Maximum working pressure: 5000 psi (34.5 MPa, 345 bar). SST screen: 60 mesh (250 micron).
Outlets: 3/4 npt(f). Inlet: 3/8 npt(f) and 1/2 npt(f).
Includes 210658 drain valve.

LIQUIDS AND LUBRICATION

Graco Throat Seal Liquid

- 206995** 1 qt. (0.9 L)
- 206996** 1 gal. (3.8 L)

Graco-Approved Hydraulic Fluid

- 169236** 5 gal. (20 L)
- 207428** 1 gal. (3.8 L)

222955 Anti-Seize Lubricant

Prevents parts from seizing, making disassembly easier.
Can size: 16 oz. (454 g).

MOUNTING OPTIONS

222976 Connection Kit, Viscount II 2000 and 2600

Kit to install lower displacement pump under existing Viscount II motor. Includes carbon steel tie rods and other connecting hardware.

244849 Xtreme Connection Kit

Kit to install Xtreme pump lower under existing Viscount II motors. Includes tie rods, rod adapter and quick disconnect coupler.

244530 Heavy-Duty 2-Wheel Cart

244527 Lightweight 2-Wheel Cart

222780 Floor Stand

Use to mount Viscount II 2000 and 2600 pumps to floor. Includes 222274 floor stand, ball valve and 109495 Viton gasket.

206221 Wall Mounting Bracket

237782 Adapter, Ram

Use to mount Viscount II 2000 and 2600 pumps to a ram. Includes 2 npt(m) x flange and lug kit.

Viscount II 1000, 2000 & 2600

Hydraulic Pumps

Accessories (continued)

TOOLS

109507 Socket Service Tool, Viscount II 2600

Use to connect or disconnect displacement rod from piston assembly. Tool fits over the top of the displacement rod, making it easier to apply a 24 in. adjustable wrench or 3/4 in. drive socket for servicing displacement rod.

109508 Socket Service Tool, Viscount II 2000

Use to connect or disconnect displacement rod from piston assembly. Tool fits over the top of the displacement rod, making it easier to apply a 24 in. adjustable wrench or 3/4 in. drive socket for servicing displacement rod.

184278 Packing Nut Wrench, Viscount II 2000 and 2600

For adjusting throat packing compression in pump.