



First choice when  
quality counts.

# Viscount® II 300, 400, 600 Hydraulic-Powered Pumps

- **Pressure output capacity 300, 400 & 600 psi (2.1, 2.8, 4.2 MPa), (21, 28 & 42 bar)**
- **Gentle, low shear 4-ball pump operation**
- **Clean, quiet and efficient hydraulic power**
- **Rugged motor and lower design for long life**
- **High volume lower displacement pump for low cycle rate and long interval between packing replacement**

**Clean, quiet,  
efficient, low  
shear paint  
circulation  
pumps**

The best high-volume, low pressure performers for circulating supply of light to medium viscosity fluids. Hydraulic power means no stoppage due to ice build-up and clean, quiet operation.

These Graco High-Flo Series pumps offer reliable performance and long life. The Viscount II motor is designed for more than 10,000,000 cycles of operation before first repair. The simplified lower design means fewer parts and fast, easy repairs for low cost of ownership.

A large 2 npt(f) inlet allows for easy pump loading and low shear operation.

### **Typical Fluids Handled**

- Waterborne and solventborne paints
- Stains and lacquers

### **Typical Applications**

- Paint circulation in automobile assembly plants
- High volume paint transfer

Note: pump stand (218-742) not included.



COMPONENTS

218-533

# Technical Specifications

## Maximum working pressure

- Viscount II 300 (.20:1) . . . . . 300 psi (2.1 MPa, 21 bar)
- Viscount II 400 (.27:1) . . . . . 400 psi (2.8 MPa, 28 bar)
- Viscount II 600 (.40:1) . . . . . 600 psi (4.2 MPa, 42 bar)

Max. hydraulic fluid pressure . . . 1500 psi (10.5 MPa, 105 bar)

## Fluid flow at 60 cpm

- Viscount II 300 (.20:1) . . . . . 63 gpm (238 lpm)
- Viscount II 400 (.27:1) . . . . . 47 gpm (178 lpm)
- Viscount II 600 (.40:1) . . . . . 31 gpm (117 lpm)

Oil flow at 60 cpm . . . . . 12 gpm (45 lpm)

## Volume per cycles: gallon (liter)

- Viscount II 300 (.20:1) . . . . . 1.1 (4.0)
- Viscount II 400 (.27:1) . . . . . 0.78 (3.0)
- Viscount II 600 (.40:1) . . . . . 0.52 (2.0)

Max. hydraulic motor oil temperature . . . . 134°F (57°C)

Hydraulic motor inlet . . . . . 3/4 npt(f)

Hydraulic motor outlet . . . . . 1 npt(f)

Pump fluid inlet . . . . . 2 npt(f)

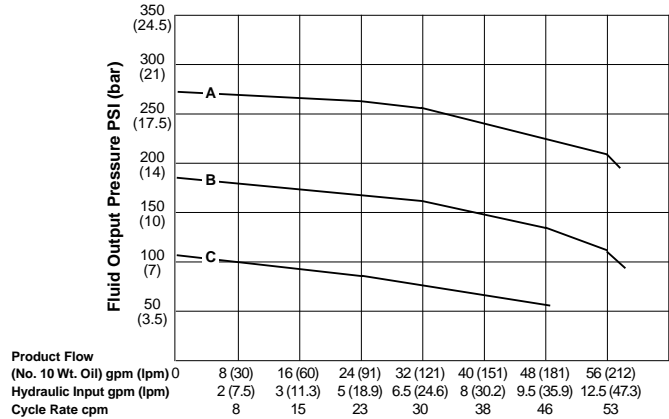
Pump fluid outlet . . . . . 2 npt(f)

Wetted Parts . . . . . See Ordering Information

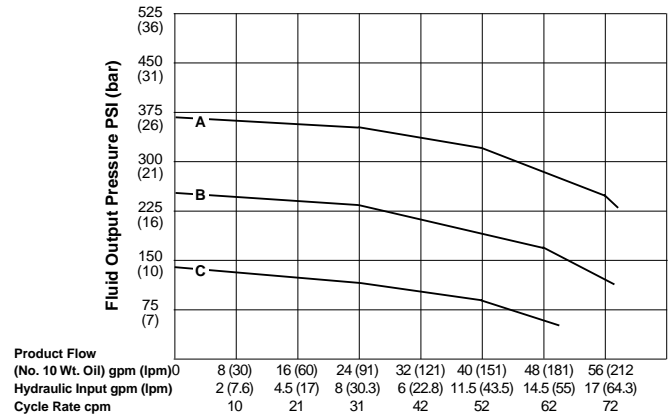
Weight . . . . . 217 lb (98 kg)

Instruction manual . . . . . 307-678

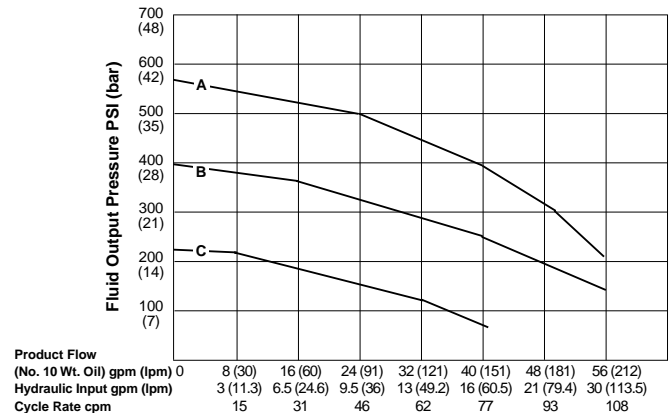
# Viscount II 300 Performance



# Viscount II 400 Performance



# Viscount II 600 Performance



Key:  
 A = 1500 psi (10.3 MPa, 103 bar) Input Pressure  
 B = 1050 psi (7.24 MPa, 72.4 bar) Input Pressure  
 C = 600 psi (4.2 MPa, 42 bar) Input Pressure  
 Performance tested in no. 10 weight motor oil 65 cp at 68° F (20° C)

# Ordering Information for Viscount II 300, 400, 600

Order number includes motor and pump lower assembly

Order Nos.	Viscount II 300		Viscount II 400		Viscount II 600	
	218-537	218-538	218-535	218-536	218-533	218-534
<b>Pump Lower</b>						
Part No.	218-530	218-531	218-523	218-524	218-515	218-516
Construction	CS	SST	CS	SST	CS	SST
Standard Piston Seal Repair Kits	218-739	218-739	218-737	218-737	218-735	218-735
Construction	UHMWPE	UHMWPE	UHMWPE	UHMWPE	UHMWPE	UHMWPE
Piston Seal Conversion Kits	235-854	235-854	235-855	235-855	235-856	235-856
Construction	Teflon®	Teflon	Teflon	Teflon	Teflon	Teflon

## Throat Packing Kits

### All Models

- 218-774 UHMWPE (3 packings)
- 218-733 Teflon (3 packings)
- 218-734 Leather (3 packings)
- 237-566 UHMWPE/Leather (7 packings)
- 237-605 Teflon/Leather (7 packings)

## Motor

223-654: Repair Kit

## SERVICE PARTS INFORMATION

Pump Lower Part Nos.	218-530	218-531	218-523	218-524	218-515	218-516
Cylinder	180-497	180-497	180-498	180-498	180-499	180-499
Construction	SST	SST	SST	SST	SST	SST
<b>Intake Valve (order separate part numbers)</b>						
Intake Ball	102-974	110-294	102-974	110-294	102-974	110-294
Relief Valve Seat	237-744	237-744	237-744	237-744	237-744	237-744
<b>Check Valve (order separate part numbers)</b>						
Check Ball	102-974	110-294	102-974	110-294	102-974	110-294
Seat	180-529	180-529	180-529	180-529	180-529	180-529

Teflon® is a registered trademark of Du Pont

## Accessories

### 222-955 Anti-Sieze Thread Lubricant

Use when repairing SST pumps

### 218-742 Mounting Stand Kit

#### High-Flo Surge Tank

Reduces fluid pulsations in the fluid line. Rated 60 gpm (228 lpm)

**218-509** Carbon steel. Inlet/outlet: 2 npt(f).

**238-983** Stainless steel. Inlet/outlet: 2 npt(f).

**238-984** Stainless steel. Inlet/outlet: 2 in. Tri-clamp® compatible.

**238-985** Stainless steel. Inlet/outlet: 1.5 in. Tri-clamp compatible.

### 220-965 Fluid Pressure Relief Valve

300 psi (2.1 MPa, 21 bar)

### 169-236 Graco-Approved Hydraulic Fluid

5 gal. (20 liter)

### Throat Seal Liquid (TSL)

Non-evaporating liquid for wetcups

**206-995** 1 qt. (0.95 liter)

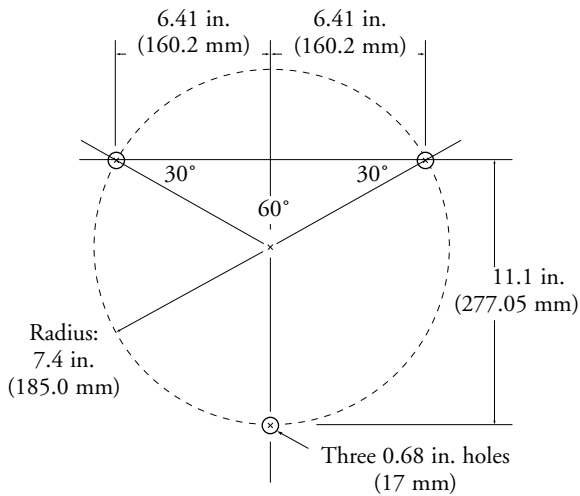
**206-996** 1 gal. (3.8 liter)

### 110-183 90° Street Elbow

For pump inlet and outlet. 2 npt(mxf).

Tri-clamp® is a registered trademark of Tri Clover Inc.

## Mounting Hole Layout



## Dimensions

