



**GRACO**  
First choice when  
quality counts.™

# Premier® 74:1 Pump

- **High pressure and high fluid flow per cycle increases your production and reduces rod and cylinder wear**
- **SevereDuty™ rod and cylinder handles abrasive coatings**
- **Exclusive air valve design minimizes ice-related downtime**
- **Simple design makes fluid pump repairs easy and fast**

Graco's Premier 74:1 is the heavy-duty pump needed for large industrial projects. It handles high-solids materials with consistent high pressure and high flow capability.

Forget about performance fall-off or stoppage due to ice build-up. The patented Premier air motor and built-in air pump moves warm air across the four-way air valve outlet to reduce ice build-up. Even with dirty non-lubricated air, you'll get continuous operation with Premier's reliable four-way slide valve.

When the job requires high pressure for tough fluid materials, Graco's Premier 74:1 pump delivers the performance you need.

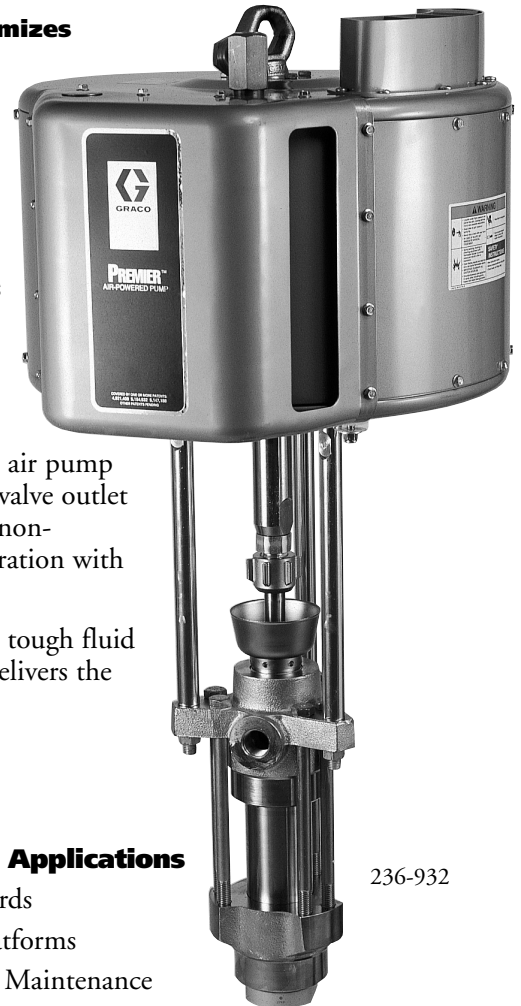
**Tough  
equipment that  
lasts, even in  
the harshest  
conditions**

## Typical Fluids Handled

- Epoxy primers
- Polyurethane topcoats
- High viscosity coatings
- High solids coatings
- Fireproofing coatings
- Waterproofing coatings

## Typical Applications

- Shipyards
- Oil platforms
- Bridge Maintenance
- Metal fabrication
- Railcar



236-932

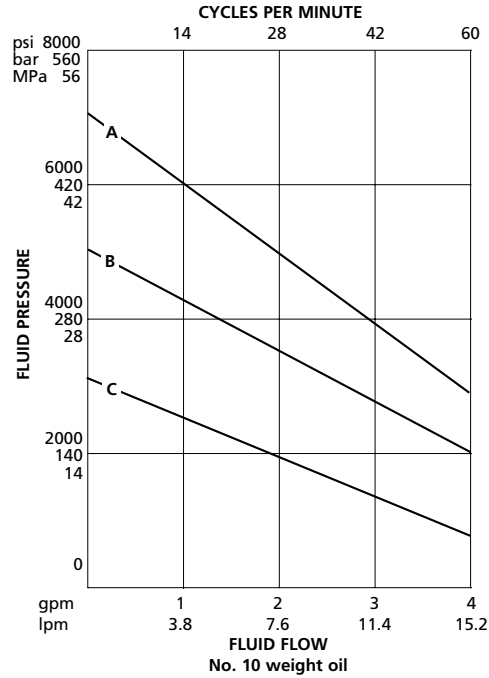
COMPONENTS

## Technical Specifications

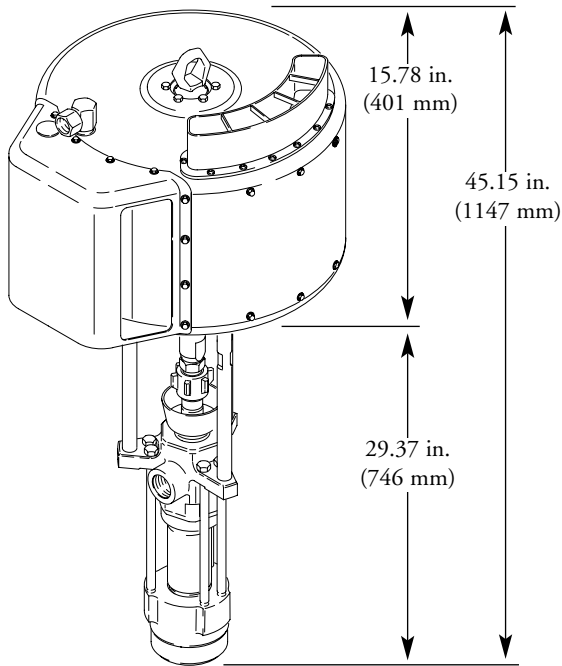
**Maximum fluid pressure** . . . . . 7400 psi (51 MPa, 510 bar)  
**Maximum air input pressure** . . . 100 psi (0.7 MPa, 7 bar)  
**Fluid Flow at 60 cpm** . . . . . 4.2 gpm (15.9 lpm)  
**Volume per cycle** . . . . . 9.1 oz (269 cc)  
**Air inlet size** . . . . . 3/4 npsm(f)  
**Fluid inlet size** . . . . . 2 npt(f)  
**Fluid outlet size** . . . . . 1 npt(f)  
**Weight** . . . . . 240 lb (109 kg)  
**Instruction manual** . . . . . 308-357

## Performance Charts for Premier 74:1

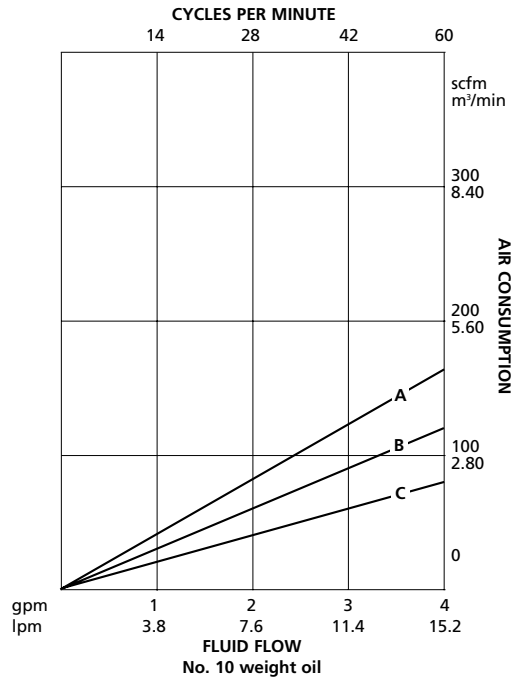
### Fluid Pressure



## Dimensions



### Air Consumption



# Ordering Information for Premier 74:1 Pump

Order number includes motor and pump lower assembly

<b>Order Nos.</b>	<b>236-932</b>
<b>Pump Lower</b>	
Part No.	236-478
Construction	CS
Standard Seal Repair Kit	237-166
Construction	Leather
Optional Seal Repair Kits	237-167
Construction	Teflon®
	237-168
	UHMWPE/Leather
<b>Motor</b>	
222-958: Repair Kit	

## SERVICE PARTS INFORMATION

<b>Pump Lower Part Nos.</b>	<b>236-932</b>
Displacement Rod	189-317
Construction	SST
Cylinder	190-221
Construction	SST
Intake Valve (order separate part numbers)	
Intake Ball	108-001
Intake Valve Seat	237-495
Piston Valve (order separate part numbers)	
Piston Ball	100-279
Seat	222-951
Ball Guide	184-513

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# Accessories

## GHD-XXX HE RAC Tips

See your local distributor for tip size selection or reference Model 510 Data Sheet 305-797.

### 112-859 Air Line Filter, 1 npt(fbe)

Maximum working pressure: 250 psi (1.7 MPa, 17 bar). Filters harmful dirt and moisture from the compressed air supply.

### 237-212 Air Line Lubricator, 1 npt(fbe)

Maximum working pressure: 250 psi (1.7 MPa, 17 bar). Provides automatic lubrication for the air motor. Bowl capacity: 16 oz. (0.48 liter).

### 224-040 Pump Runaway Valve

Maximum working pressure: 120 psi (0.8 MPa, 8.3 bar). Inlet and outlet: 3/4 npt(f). Includes optional 90°, 3/4 npsm swivel outlet fitting.

### 208-627 Air Blow Gun

Maximum working pressure: 150 psi (1.05 MPa, 10.5 bar). For cleaning gun tip. Thread size: 1/4 pt(f).

### 106-493 Air Line Dessicant Dryer

Dries compressed air. Removes corrosive moisture that will damage air motors.

### 190-032 Adapter

Strainer to 1-1/2 npt(m).

### 109-505 Bushing

2 x 1-1/2 npt. Connects adapter to pump fluid inlet.

### 222-916 High Volume Suction Kits (CS)

ID: 1-1/2 in. (3/8 mm). Connects to pump fluid intake to draw fluid from a 55 gal. (200 liter) drum. Includes polyethylene tube hose, suction pipe, and fittings.

### Grounded Buna-N Air Hose

Maximum working pressure: 175 psi (1.2 MPa, 12 bar)  
ID: 3/4 in. (19 mm). Thread size: 3/4 npt(m)

Part No.	Length	Part No.	Length
208-610	6 ft (1.8 m)	205-548	15 ft (4.5 m)
208-611	25 ft (7.6 m)	208-612	50 ft (15.2 m)

### 237-569 Ground Wire and Clamp

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

### Nipples

Connects accessory hoses together.

156-971	1/4 x 1/4 npt	159-239	3/8 x 1/2 npt
165-198	1/4 x 3/8 npt	162-449	1/4 x 1/2 npt

### Ball Valves

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

237-303 1/4 npt(mbe)

237-304 3/8 npt(mbe)

### 205-306 Siphon Tube Strainer

Pancake style inlet, for immersed feed. Requires Adapter (190-032) and Bushing (109-505).

### Fluid Drain Valve

Maximum working Pressure: 5000 (35 MPa, 350 bar). CS.

210-657 1/4 npt(mbe)

210-658 3/8 npt(mbe)

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

### 236-995 Model 510 Airless Spray Gun

Maximum working pressure: 7400 psi (51 MPa, 510 bar). SST. For high viscosity fluids, model 510 RAC tip holder and GHD-527 tip.

### Grounded Fluid Hose

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

237-071 1/4 in. (6 mm) ID x 50 ft. (15 m).  
1/4 npsm(fbe)

237-072 3/8 in. (10 mm) ID x 50 ft. (15 m).  
3/8 npsm(fbe)

237-213 1/2 in. (13 mm) ID x 50 ft. (15 m).  
1/2 npsm(fbe)

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

### Airless Spray Guns

Maximum working pressure: 5000 psi (35 MPa, 350 bar)

235-462 For fine finish

235-460 For medium viscosity fluids

235-461 For medium viscosity fluids

235-463 For medium viscosity fluids

### 236-987 Gun Swivel

Maximum working pressure: 7400 psi (51 MPa, 510 bar)  
1/4 npsm(f) x 1/4 npt(m).

### 222-955 Anti-Seize Lubricant

### Graco Throat Seal Liquid

206-995 1 quart (0.95 liter)

206-996 1 gallon (3.8 liter)