



# Glutton<sup>®</sup> 400 Pump

- **Leak proof design for long lasting, low maintenance bellows**
- **Chrome over stainless steel, SevereDuty™ wear parts**
- **Reversible outlet manifold to simplify plumbing**
- **Vertical ball checks with no springs for uniform ball wear improving their life**

**Pumping  
solutions for  
high solids and  
catalyst feed  
applications**

Graco's Glutton 400 is used frequently for pumping abrasive high solids coatings (50% or more) in circulating systems for both conventional and HVLP in-plant applications. It is also an ideal catalyst feed pump because the design is sealed internally.

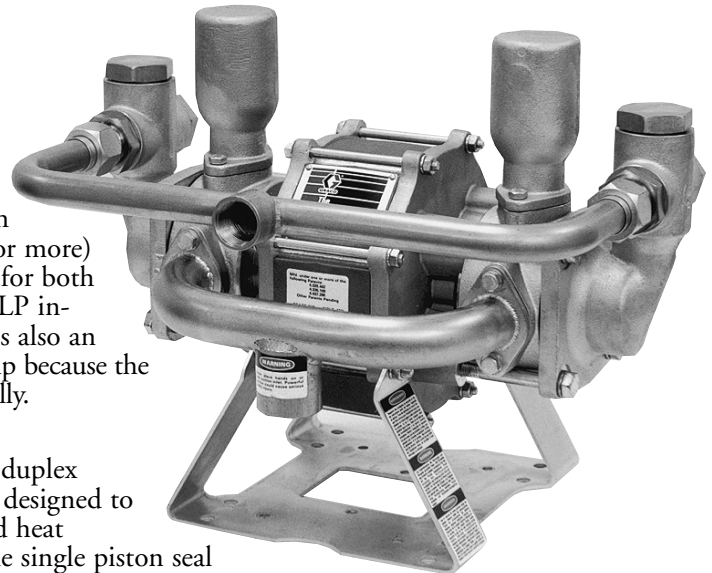
This unique divorced duplex plunger style pump is designed to handle more shear and heat sensitive materials. The single piston seal design on each fluid piston virtually eliminates material build-up and subsequent abrasion wear. These seals can wear up to 0.025 in. (0.063 cm) before losing efficiency, while ordinary pumps will fail with as little as 0.005 in. (0.012 cm) wear. The piston seals are self-adjusting for long life and less downtime, for reduced overall cost. Even run-dry conditions can occur without piston seal failure. The long life co-polymer bellows seal creates a leak-proof design for the life of the seal, unlike a traditional sealed piston pump.

### **Typical Fluids Handled**

- Coatings
- High solids coatings (50% or more)
- Isocyanate

### **Typical Applications**

- Conventional and HVLP
- Moisture sensitive materials (isocyanate)

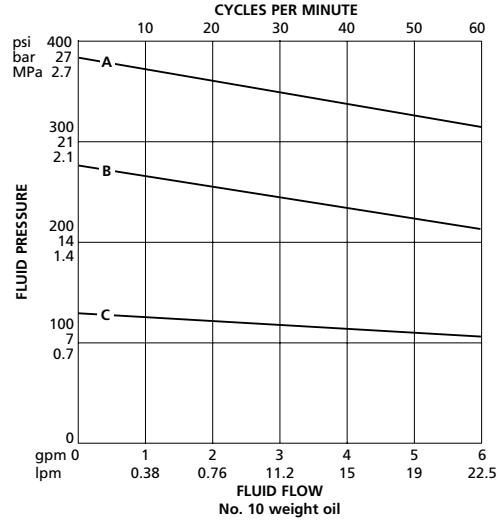


## Technical Specifications

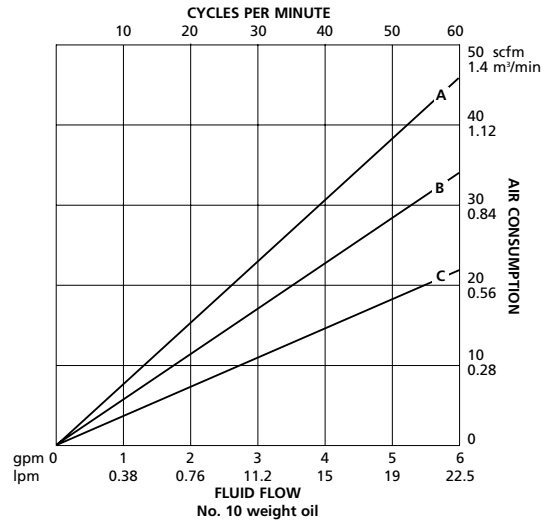
**Maximum working pressure** . . . 400 psi (2.7 MPa, 27 bar)  
**Maximum air input pressure** . . . 100 psi (0.7 MPa, 7 bar)  
**Fluid flow at 60 cpm** . . . . . 5.6 gpm (21.2 lpm)  
**Volume per cycle** . . . . . 12 oz (355 cc)  
**Air inlet size** . . . . . 1/2 npt  
**Fluid inlet size** . . . . . 1-1/4 npt  
**Fluid outlet size** . . . . . 1 npt  
**Weight** . . . . . 80.5 lb (36.2 kg)  
**Instruction manual** . . . . . 307-843

## Performance Charts for Glutton Pumps

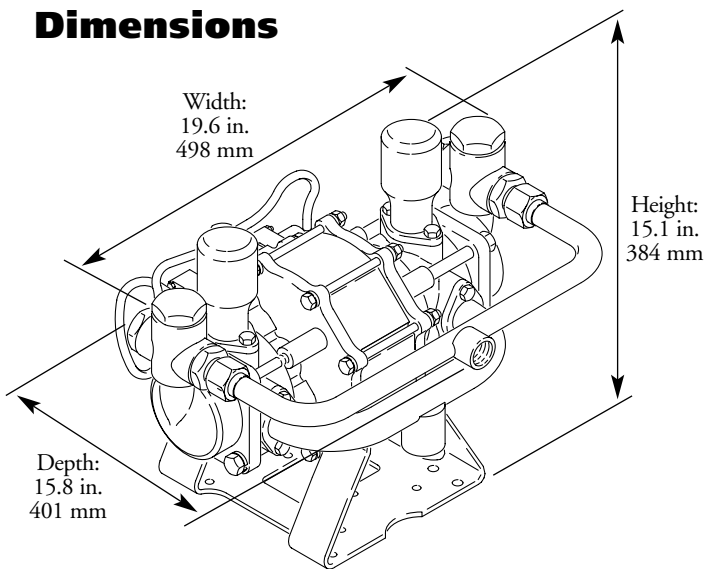
### Fluid Pressure



### Air Consumption



## Dimensions



## Ordering Information for Glutton 400 Pump

<b>Part Ordering No.</b>	<b>220-663</b>	<b>220-666</b>	<b>237-008</b>	<b>237-011</b>
<b>Construction</b>	CS	SST	CS	SST
<b>Standard Fluid Piston Seal Kit Construction</b>	220-949 UHMWPE	220-949 UHMWPE	237-014 Nylon	237-014 Nylon
<b>Optional Fluid Piston Seal Kit Construction</b>	220-658 Urethane	220-658 Urethane	220-658 Urethane	220-658 Urethane
<b>Carbide Ball and Seat Conversion Kit</b>	221-134	221-134	221-134	221-134
<b>Air Valve and Pilot Valve Repair Kit</b>	220-656	220-656	220-656	220-656
<b>Air Control Valve</b>	220-902	220-902	220-902	220-902
<b>Pilot Valve</b>	221-133	221-133	221-133	221-133
<b>Fluid Piston</b>	189-432	189-432	189-432	189-432
<b>Outlet Seat</b>	181-947	186-676	181-947	186-676
<b>Ball Guide</b>	181-845	181-845	181-845	181-845
<b>Ball</b>	107-167	108-287	107-167	108-287
<b>Stop Pin</b>	181-976	181-976	181-976	181-976

## Accessories

### Grounded Buna-S Air Hose

Maximum working pressure: 175 psi (1.2 MPa, 12 bar).

ID: 1/2 in. (13 mm). Thread: 14 npt.

Part No.	Length
205-418	6 ft. (1.8 m)
214-656	10 ft. (3 m)
205-216	15 ft. (4.5 m)
205-273	25 ft. (7.6 m)

### Bleed-Type Master Air Valve

Maximum working pressure: 300 psi (2.1 MPa, 21 bar)

107-141 Inlet and outlet: 3/4 npt(mxf)

107-142 Inlet and outlet: 1/2 npt(mxf)

### 224-040 Pump Runaway Valve

### 222-345 Filter, Regulator, Lubricator Kit

### 104-266 Air Regulator

Maximum working pressure: 300 psi (2.1 MPa, 21 bar)

### 106-149 Air Line Filter

Maximum working pressure: 250 psi (1.7 MPa, 17.5 bar)

### 101-689 Air Pressure Gauge

Adjustment range: 0-200 psi (0-1.4 MPa, 0-14 bar)

### 214-848 Lubricator

Maximum working pressure: 250 psi (1.7 MPa, 17.5 bar)

### 183-888 Bearing/Wiper Tool

Use to service the air motor bearing and shaft wiper.

### 102-969 Loctite® High Strength Sealant

To secure piston shafts to the piston stud.

### 237-569 Grounding Wire and Clamp

### Fluid Inlet Adapters

108-144 Bushing

108-145 Nipple

### Drain Valves

### 214-037 High Pressure Fluid Drain Valve

Maximum working pressure: 5000 psi (34 MPa, 345 bar)

### 210-071 Low Pressure Fluid Drain Valve

Maximum working pressure: 500 psi (3.5 Mpa, 34 bar)

### High Pressure Fluid Filters

Maximum working pressure: 5000 psi (34 MPa, 345 bar).

60 mesh element.

218-029 Inlet: 3/8(f). Outlet: 1/4(f)npt. CS.

214-625 Inlet: 3/4 npt(f). Outlet: 1/2 npt(f). SST.

### High Pressure Fluid Filter Elements

238-435 30 mesh (595 micron)

238-437 60 mesh (250 micron)

238-439 100 mesh (149 micron)

238-441 200 mesh (75 micron)

### Low Pressure/High Volume Fluid Filters

Maximum working pressure: 300 psi (2.2 MPa, 22 bar).

Must limit air inlet pressure to pump to 75 psi (0.5 MPa, 5.2 bar).

Inlet and outlet: 1-1/4 npt(f), aluminum.

213-062 30 mesh (595 micron)

213-063 60 mesh (250 micron)

213-064 100 mesh (149 micron)

213-065 150 mesh (95 micron)

213-066 200 mesh (75 micron)

### 231-414 SST Heavy Duty Drum Agitator Package

Includes agitator, siphon kit, cover and elevator.

### 222-655 Drum Cover Kit

Drum cover assembly, agitator, suction tube and swivel.

### 207-408 Elevator

Maximum working pressure: 200 psi (1.4 MPa, 14 bar).

Used with Drum Cover Kit (222-655).

### 223-319 Return Tube Kit

### 208-259 55 Gallon (200 Liter) Suction Kit

### Viscon<sup>2</sup> Fluid Heater

Maximum working pressure: 4000 psi (27.2 MPa, 272 bar). SST.

220-522 120V

220-523 240V

220-524 480V

### 222-121 SST Fluid Regulator

Fluid pressure range: 150-1200 psi (1.02-8.16 MPa, 10.2-81.6 bar).

### 206-221 Pump Wall Mount Bracket