



First choice when  
quality counts.™

# Monark 15:1 Stubby Pump

- Delivers up to 1.25 gpm (4.7 lpm) at up to 2700 psi (18.3 MPa, 183 bar) fluid pressure
- Standard UHMWPE packings for extended pump life in abrasive fluids
- Stubby design for convenient wall mounting
- Severe Duty design resists wear and corrosion resulting from handling aggressive fluids
- 304/316 wetted parts

**Air-assisted for  
a variety of  
production  
applications**

Waterborne high solids coatings and aggressive acid-catalyzed wood finishing materials are emerging as popular finishing materials; they are designed to help you meet environmental requirements. Graco's Monark 15:1 pump is specifically designed for these materials. Fluid pressure from this pump provides the necessary energy to atomize these high solids materials. The 304/316 wetted pump parts prevent corrosion from acid-catalyzed finishing materials.

### Typical Fluids Handled

- Solventborne coatings
- Waterborne coatings
- Acid-catalyzed wood finishing materials

### Typical Applications

- Wood furniture, cabinets, and other wood products
- Commercial, military and civilian aircraft
- Farm and construction equipment
- General metal finishing



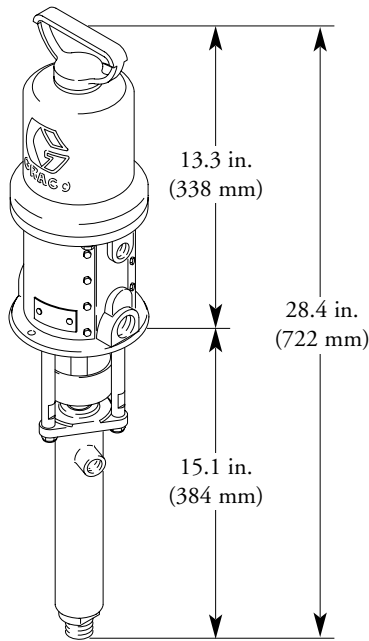
COMPONENTS

223-844

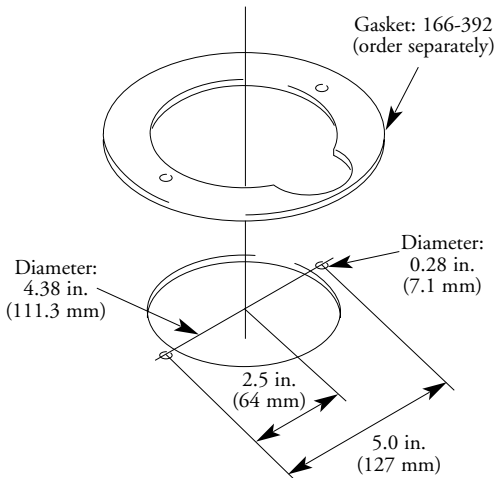
# Technical Specifications

- Maximum fluid pressure . . . . . 2700 psi (18.3 MPa, 183 bar)
- Air inlet pressure range . . . . . 40-180 psi  
(0.28-1.22 MPa, 2.8-12.2 bar)
- Fluid flow @ 60 cpm . . . . . 1.25 gpm (4.7 lpm)
- Volume/cycle . . . . . 1.5 oz. (44.3 cc)
- Air inlet size . . . . . 3/8 npt(f)
- Fluid inlet size . . . . . 3/4 npt(m)
- Fluid outlet size . . . . . 3/8 npt(f)
- Weight . . . . . 24 lb. (11 kg)
- Instruction manuals
  - 223-844 . . . . . 308-106
  - 239-327 . . . . . 306-981

# Dimensions

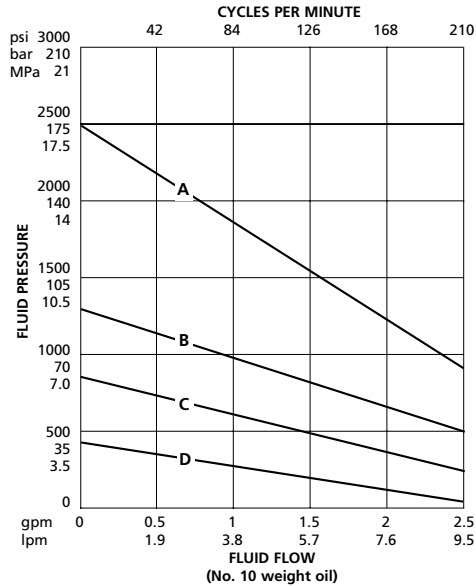


# Mounting Hole Layout

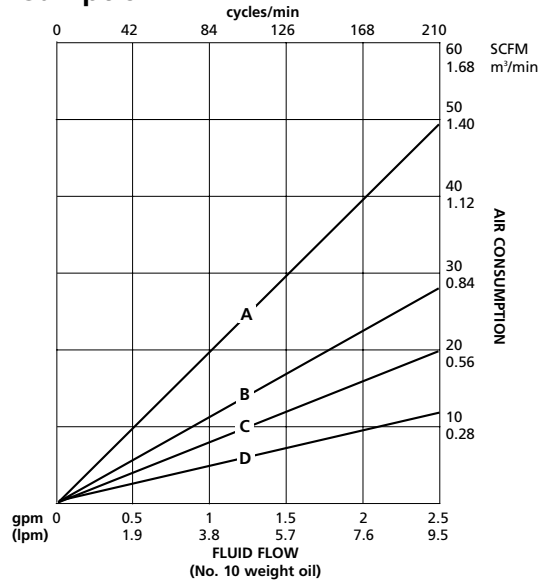


# Performance Charts for Monark 15:1 Stubby Pump

## Fluid Pressure



## Air Consumption



Air Pressures:

A = 180 psi (1.22 MPa, 12.2 bar)

B = 100 psi (0.7 MPa, 7 bar)

C = 70 psi (0.47 MPa, 4.7 bar)

D = 40 psi (0.27 MPa, 2.7 bar)

Performance tested in No. 10 weight motor oil [65 cp at 68° F (20° C)]

## Ordering Information for Monark 15:1 Stubby Pump

Order number includes motor and pump lower assembly

Order Nos.	223-844	239-327
<b>Pump Lower</b>		
Part No.	223-842	223-587
Construction	Severe Duty®/SST	CS
Standard Seal Repair Kit	235-635	235-635
Construction	Teflon®/Leather	Teflon/Leather
Alternate Seal Repair Kit	N/A	223-675
Construction		UHMWPE/Leather
<b>Motor</b>		
206-728: Repair Kit		

### SERVICE PARTS INFORMATION

Pump Lower Part Nos.	223-842	223-587
Displacement Rod	223-589	223-589
Construction	SST	SST
Cylinder	178-902	178-902
Construction	SST	SST
<b>Intake Valve (order separate part numbers)</b>		
Intake Ball	105-445	105-445
Intake Valve Seat	223-593	223-593
<b>Piston Valve (order separate part numbers)</b>		
Piston Ball	105-444	105-444
Seat	223-565	223-565

Severe Duty® is a registered trademark of Graco.

Teflon® is a registered trademark of Du Pont.

## Accessories

### 237-569 Grounding Clamp & Wire

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

### 107-142 Bleed-type Master Air Valve

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

Inlet: 1/2 npt(m) x outlet: 1/2 npt (f)

### 106-149 Air Line Filter

Max. working pressure: 250 psi (1.75 MPa, 17.5 bar).

Inlet and outlet: 1/2 npt(f).

### 214-848 Air Line Lubricator

Max. working pressure: 250 psi (1.75 MPa, 17.5 bar).

Bowl capacity: 8 oz. (0.24 liter).

Inlet and outlet: 1/2 npt(f).

### 202-858 Air Regulator

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

Regulated pressure range: 0-250 psi, (0-1.8 MPa,

0-18 bar). Inlet: 3/8 npt(f); outlet: 1/2 npt(f).

### 224-040 Pump Runaway Valve

Maximum working pressure: 120 psi (0.84 MPa, 8.4 bar).

Inlet and outlet: 3/4 npt(f).

### Fluid Drain Valve

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

**210-657** 1/4 npt (mbe)

**210-658** 3/8 npt (mbe)

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

### 223-160 Fluid Filter

Maximum working pressure: 5000 psi (35 MPa,

350 bar). Screen: 60 mesh (250 micron), SST.

### Replacement Fluid Filter Screens

For fluid filter 223-160. Three per pack.

**238-443** 30 mesh

**238-445** 60 mesh

**238-447** 100 mesh

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

Maximum working pressure: 4000 psi (27.6 MPa, 276 bar)

**220-522** 120V

**220-523** 240V

**220-524** 480V

### 238-890 Fluid Regulator, SST

Regulated pressure range: 500-3000 psi

(3.5-20.7 MPa, 35-207 bar)

### Grounded Nylon Fluid Hose

Maximum working pressure: 3000 psi (21 MPa, 210 bar).

Part No.	ID	Length
<b>214-700</b>	3/16 in. (5 mm)	2 ft. (0.6 m)
<b>214-701</b>	3/16 in. (5 mm)	3 ft. (0.9 m)
<b>223-540</b>	1/4 in. (6.3 mm)	25 ft. (7.6 m)
<b>223-541</b>	1/4 in. (6.3 mm)	50 ft. (15.2 m)
<b>214-703</b>	3/8 in. (9.5 mm)	25 ft. (7.6 m)
<b>214-705</b>	3/8 in. (9.5 mm)	50 ft. (15.2 m)
<b>214-920</b>	3/8 in. (9.5 mm)	100 ft. (30.4 m)

### Grounded Air Hose, Buna-S

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

Part No.	ID	Length	Thread
<b>205-418</b>	1/2 in. (13 mm)	6 ft. (1.8 m)	1/2 npt(m)
<b>205-273</b>	1/2 in. (13 mm)	25 ft. (7.6 m)	1/2 npt(m)
<b>208-594</b>	1/2 in. (13 mm)	50 ft. (15.2 m)	1/2 npt(m)

### Graco Throat Seal Liquid

**206-995** 1 quart (0.95 liter)

**206-996** 1 gallon (3.8 liter)

### 207-365 Wall Bracket

### 214-961 Suction Hose, Neoprene

Maximum working pressure: 500 psi (3.5 MPa, 35 bar).

Length: 6 ft. (1.8 m). Coupled 3/4 npt (mbe).

### 206-266 55 Gallon (200 liter) Suction Tube

### 231-414 SST Drum Agitator Package

Includes heavy duty agitator, cover, siphon kit and elevator.