



First choice when  
quality counts.™

# Monark 5:1 Stubby Pump

- **Delivers up to 2.5 gpm (9.46 lpm)  
at up to 600 psi (4.14 MPa, 41.4 bar)**
- **Stainless steel models to suit every  
production application**
- **Air powered for high reliability and low cost**

**Handles  
applications  
ranging from  
cleaning to  
corrosive fluid  
transfer**

Graco's Monark 5:1, a stubby pump, efficiently supplies or transfers a variety of medium, heavy and filler type materials. Pumping directly from a 5 gallon (18.9 liter) or 10 gallon (37.8 liter) shipping pail, it is also used as a supply pump for cleaning applications, or as a supply pump for air spray. Stainless steel models with Teflon® packings are compatible for supply or transfer of light to medium viscosity corrosive fluids. Stubby models have a threaded foot valve to accommodate a suction hose for use with any size container.

#### **Typical Fluids Handled**

- Solventborne paints
- Waterborne paints
- Texture coatings
- Cleaning fluids
- Adhesives and sealants

#### **Typical Applications**

- Fluid transfer and supply
- Paint circulating
- Cleaning chemical supply

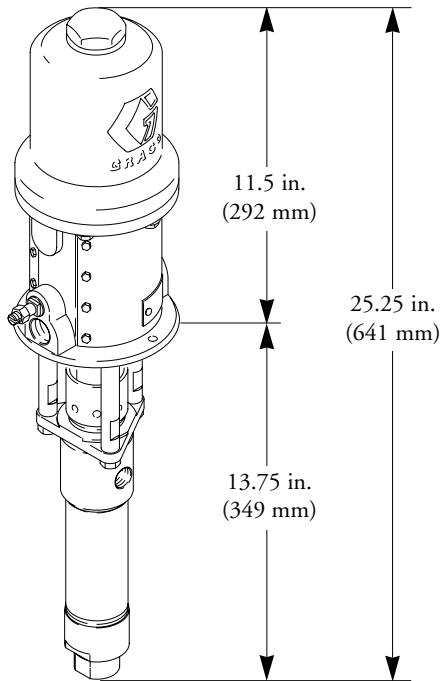


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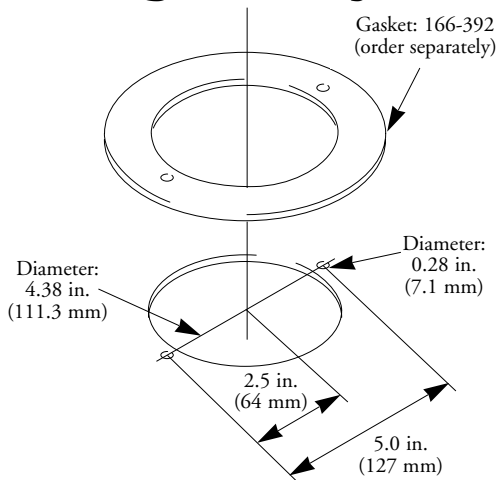
## Technical Specifications

**Maximum continuous flow** . . . . . 2.5 gpm (9.46 lpm)  
**Volume/cycle** . . . . . 5.3 oz. (156.7 cc)  
**Air motor diameter** . . . . . 3 in. (7.6 cm)  
**Air inlet pressure range** . . . . . 30-120 psi  
 (0.2-0.83 MPa, 2.0-8.3 bar)  
**Maximum fluid pressure** . . . . . 600 psi (4.14 MPa, 41.4 bar)  
**Air inlet size** . . . . . 3/8 npt(f)  
**Fluid inlet size** . . . . . 3/4 npt(f)  
**Fluid outlet size** . . . . . 1/2 npt(f)  
**Weight** . . . . . 20 lb. (9 kg)  
**Instruction manuals**  
 224-343 . . . . . 308-116  
 224-345 . . . . . 308-117

## Dimensions

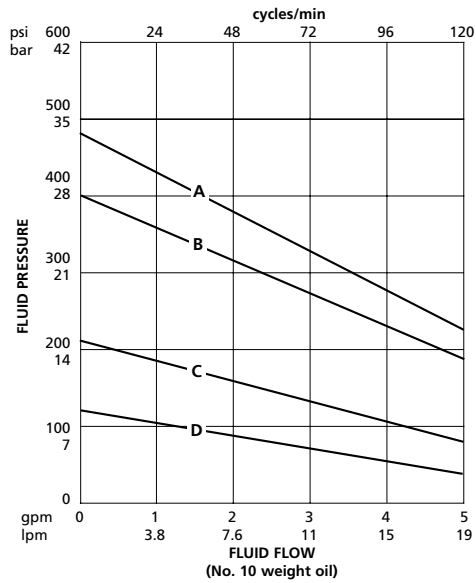


## Mounting Hole Layout

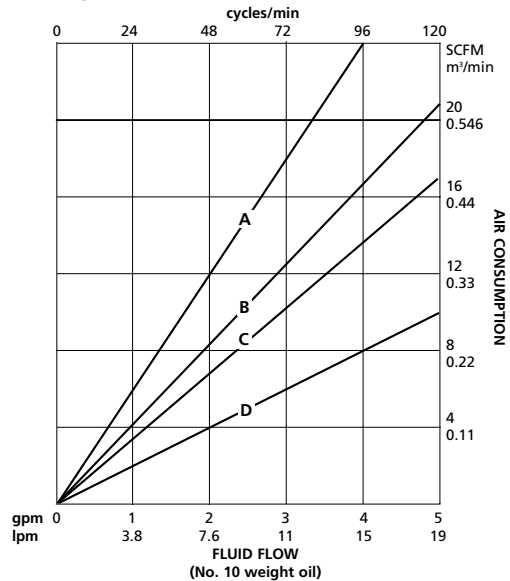


## Performance Charts for Monark 5:1 Stubby Pump

### Fluid Pressure



### Air Consumption



Air Pressure:

A = 120 psi (0.83 MPa, 8.3 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 5:1 Stubby Pump

Order number includes motor and pump lower assembly

Order Nos.	224-343	224-345
<b>Pump Lower</b>		
Part No.	224-341	224-344
Construction	SST	SST
Standard Seal Repair Kits	224-401	224-402
Construction	UHMWPE/Teflon®	UHMWPE/Neoprene
Optional Seal Repair Kits Available	224-889	224-404
Construction	Teflon	UHMWPE/Teflon

**Motor**

206-728: Repair Kit

**SERVICE PARTS INFORMATION**

Pump Lower Part Nos.	224-341	224-344
Displacement Rod	186-997	186-997
Construction	SST	SST
Cylinder	186-994	186-994
Construction	SST	SST
Intake Valve (order separate part numbers)		
Intake Ball	101-917	101-917
Intake Valve Seat	186-992	186-992
Piston Valve (order separate part numbers)		
Piston Ball	101-917	101-917
Seat	186-993	186-993
Ball Guide	176-644	176-644

Teflon® is a registered trademark of Du Pont.

## Accessories

### 237-569 Grounding Clamp and Wire

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

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

Maximum 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).

### 104-266 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 and 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).

### Red Alert Supply Line Filter

Red pop-up indicator reveals when filter element needs replacement. Aluminum, glass sight, Viton® O-ring.

<u>Part No.</u>	<u>Mesh</u>	<u>Max. Working Pressure</u>	<u>Max. Delivery</u>
210-090	60	3000 psi (2.1 MPa, 21 bar)	6 gpm (22 lpm)
210-091	100	3000 psi (2.1 MPa, 21 bar)	6 gpm (22 lpm)
210-092	200	3000 psi (2.1 MPa, 21 bar)	6 gpm (22 lpm)

### 223-160 Fluid Filter, Stainless Steel

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

Screen: 60 mesh (250 micron).

### 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 Drum Cover and Agitator

Includes siphon kit and elevator.