



# SANIFORCE™ DRUM PUMPS

Sanitary Centrifugal & Progressive Cavity Electric Pumps



PROVEN QUALITY. LEADING TECHNOLOGY.



# IMPROVE PLANT PROCESSES WITH GRACO'S HYGIENICALLY DESIGNED SANIFORCE™ DRUM PUMPS!

Reduce facility downtime with the light weight, easy to use and portable SaniForce electric drum pumps. SaniForce drum pumps offer an easy to clean, hygienic design perfect for all of your food, beverage and personal care product transfer needs.

- **Easy Cleaning and Product Changeover** – With this simple knock down design, cleaning between drums or product changeovers has never been easier!
- **Operational Flexibility Throughout Your Facility** – With the electric pump operation, you simply plug it in to be ready for transfer in minutes!
- **Easy Mobility** – The lightweight design allows all operators to move pumps between drums to increase facility output.

## COMMON APPLICATIONS



Juices, Concentrates, and Beverages



Pharmaceuticals



Edible Oils



Distilleries

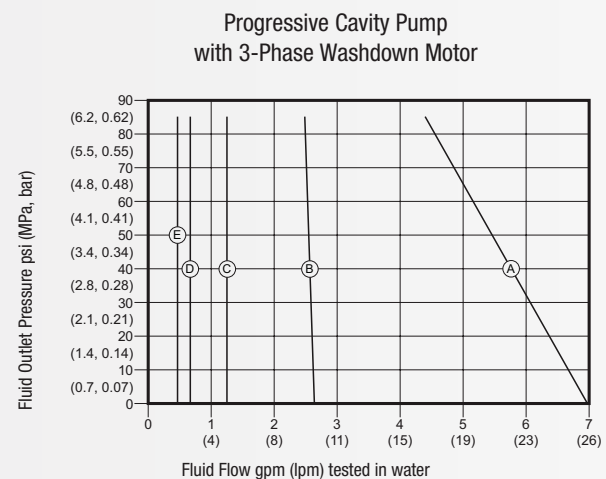
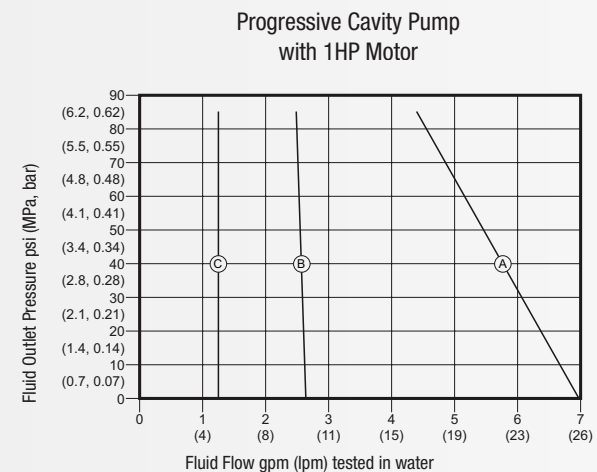
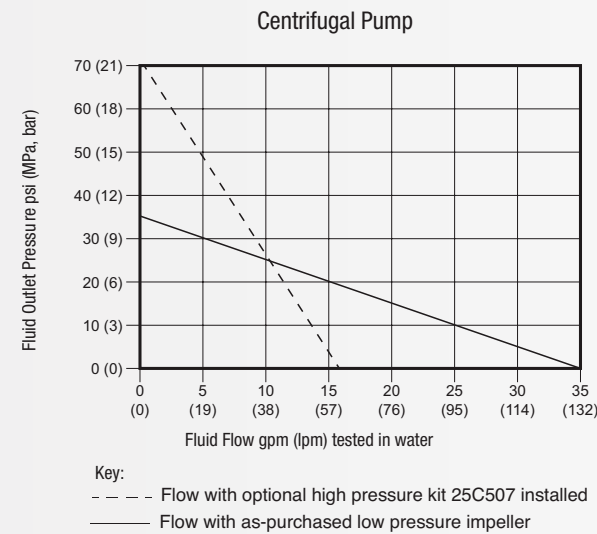


Condiments and Dressings



Personal Care

## PERFORMANCE CHARTS



### ELECTRIC MOTOR OPTIONS

- 120, 240 or 480V power options
- Single or Three Phase
- Hand held or hard wired

### SANITARY FLUID CONNECTION

- 1.5" Tri-Clamp Connection

### FDA PUMP HOUSING

- 316 SST for compatibility

### CENTRIFUGAL PUMP

- Low viscosity transfer
- 316 stainless steel impeller improves wear resistance
- High volume

### MULTIPLE PUMP SIZES

- 39" or 47" drum immersion lengths accommodate drum or tote sized containers

### PROGRESSIVE CAVITY PUMP

- All PTFE stator for increased compatibility
- Low to medium viscosity transfer
- High pressure



Washdown motor available on progressive cavity models

**FOR MORE INFORMATION ON GRACO'S DRUM PUMPS, VISIT [WWW.GRACO.COM/SANIFORCEDRUMPUMP](http://WWW.GRACO.COM/SANIFORCEDRUMPUMP)**

## TECHNICAL SPECIFICATIONS

<b>Maximum Fluid Working Pressure</b>	
Centrifugal	0.4 MPa, 43 psi (3 bar)
Progressive Cavity	0.6 MPa, 87 psi (6 bar)
<b>Maximum Operating Temperature</b>	
Centrifugal	175°F (80°C)
Progressive Cavity	175°F (80°C)
<b>Fluid Outlet</b>	1,5 in. (38 mm) Tri-Clamp®
<b>Wetted Parts (all pumps)</b>	316 Stainless Steel, Buna-N, PTFE
Progressive cavity pumps also contain:	Silicone Carbide, Viton®
<b>Maximum Viscosity</b>	
25C411 - 25C414	1,000 cps (mPa-s)
25C416-25C419	25,000 cps (mPa-s)
25C420, 25C421	100,000 cps (mPa-s)
<b>Duty Cycle</b>	Intermittent when operating at maximum viscosity; continuous for 25C422, 25C782 pump
<b>Maximum Flow Rate</b>	
Centrifugal	35 gpm (132 lpm)
Progressive Cavity	7 gpm (26 lpm)
<b>Maximum Solids Size</b>	
Centrifugal	Not recommended for fluids which contain solids
Progressive Cavity	0,25 in. (6 mm)
<b>Sound Pressure</b>	
(tested 3.28 feet (1m) from equipment)	84 dBA

## PUMP MODELS

Part number	Pump Type	Length	Input Power	Motor	Plug Style	Bag Liner Protection
25C411	Centrifugal	39 Inches	115V	1.0 HP (.75 kW), Variable Speed	North American	Not Required
25C412	Centrifugal	39 Inches	230V	1.0 HP (.75 kW), Variable Speed	European	Not Required
25C413	Centrifugal	47 Inches	115V	1.0 HP (.75 kW), Variable Speed	North American	Not Required
25C414	Centrifugal	47 Inches	230V	1.0 HP (.75 kW), Variable Speed	European	Not Required
25C420	Progressive Cavity	39 Inches	115V	1.0 HP (.75 kW), Variable Speed	North American	No
25C421	Progressive Cavity	39 Inches	230V	1.0 HP (.75 kW), Variable Speed	European	No
25C422	Progressive Cavity	39 Inches	3-Phase Power	1.5 HP (1.0 kW) 190/380 or 230/460 VAC, 3 phase	Not Applicable	No
25C780	Progressive Cavity	39 Inches	115V	1.0 HP (.75 kW), Variable Speed	North American	Yes
25C781	Progressive Cavity	39 Inches	230V	1.0 HP (.75 kW), Variable Speed	European	Yes
25C782	Progressive Cavity	39 Inches	3-Phase Power	1.5 HP (1.0 kW) 190/380 or 230/460 VAC, 3 phase	Not Applicable	Yes

## ACCESSORIES



**Hose Barb 1.5 " (38 mm)\***  
Part Number 17P480



**Tri-clamp®\***  
Part Number 118598



**Gasket\***  
Part Number 16D169



**High Pressure Impeller Kit**  
Part Number 25C507

*\*Included in kit 25C502*



We're here to answer questions and help address your needs:

[www.graco.com/contact](http://www.graco.com/contact)

Graco is certified ISO 9001.

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