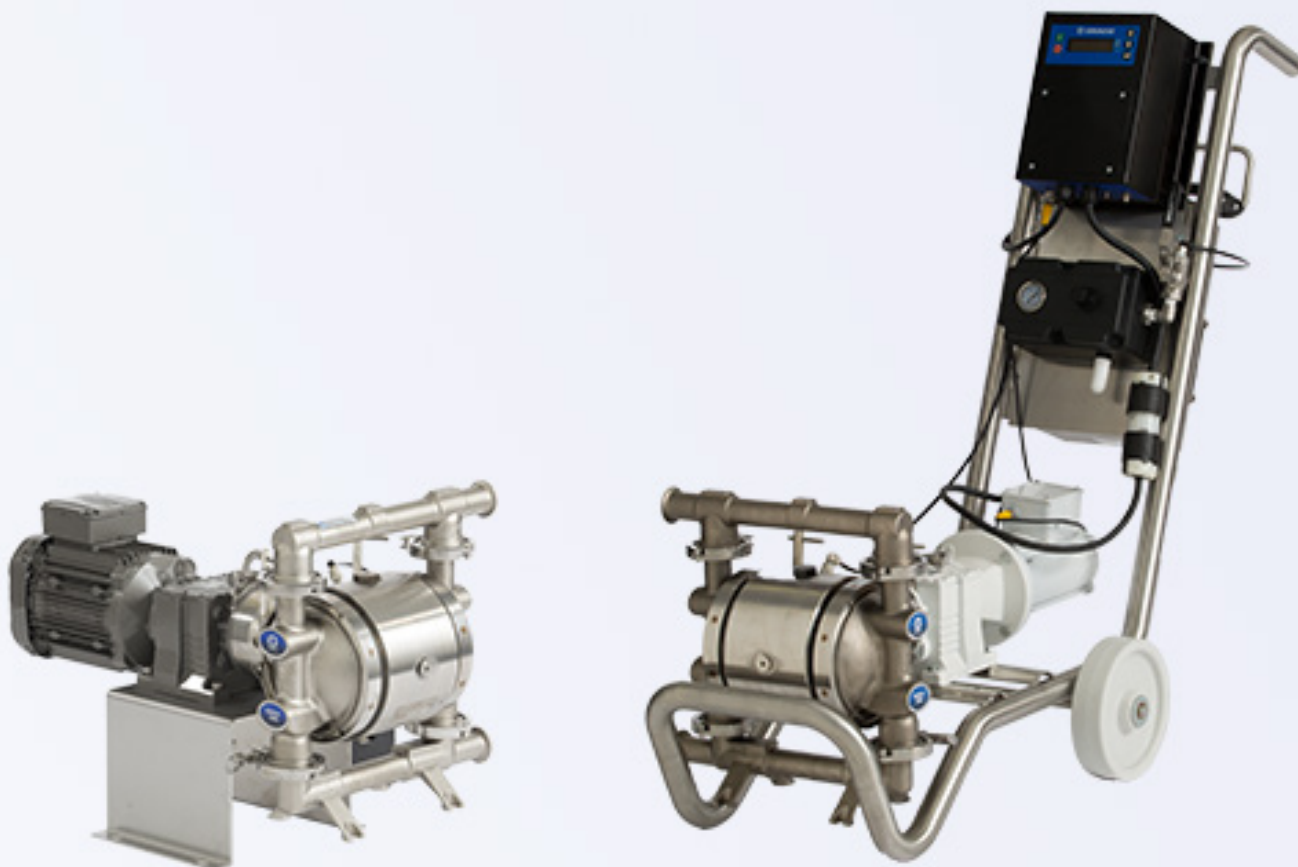




# Saniforce™ e-Series

Electric Operated Double Diaphragm Pump



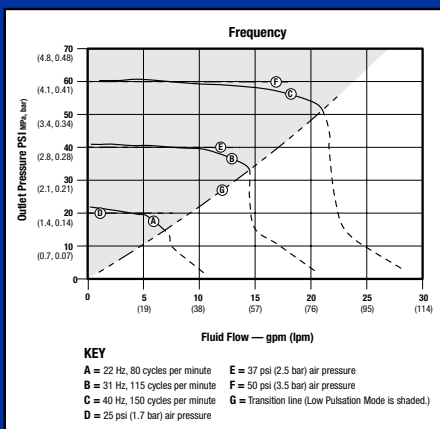
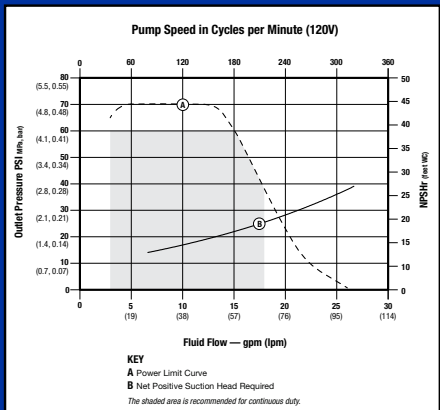
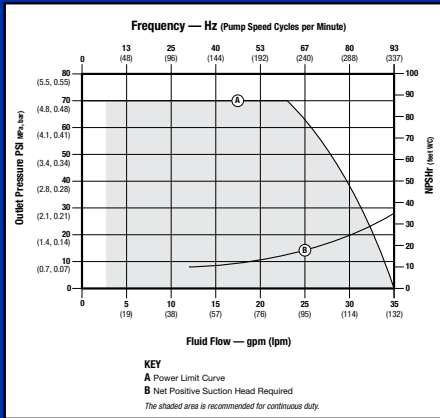
Eliminate unnecessary pump failures for your application and improve your facilities energy efficiency to create a quieter and cleaner work environment for your employees! Graco's SaniForce e-Series pump can help you achieve all of these items:

- Patent pending technology allows pump to stall under pressure preventing pump failures from clogged lines or closed valves
- Energy efficient electric drive reduces energy consumption up to 5x compared to traditional air operated diaphragm pumps
- Seal-less diaphragm pump design eliminates leaking and failures due to run-dry pump conditions

PROVEN QUALITY. LEADING TECHNOLOGY.

# THE LATEST IN ENERGY EFFICIENT PUMPS

## Performance



Would you like to eliminate unnecessary pump failures for your application? Would you like to improve your facilities energy efficiency and create a quieter and cleaner work environment for your employees? Graco's SaniForce e-Series pump will help you achieve all of those items!

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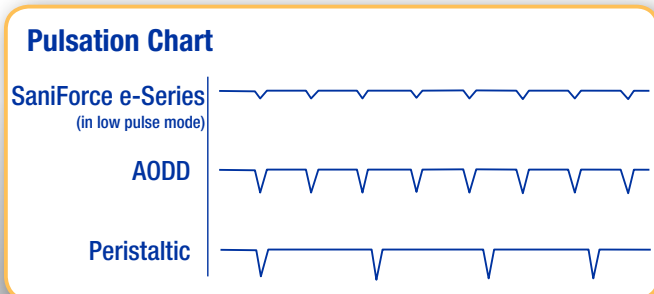
## Pick the pump that works for you

We've listened to what you want out of a pump and designed the SaniForce e-Series to meet your needs!

Feature	Graco Electric Diaphragm Pumps	Other Electric Diaphragm Pumps	Air-Operated Diaphragm Pumps	Peristaltic Pumps	Progressive Cavity Pumps	Rotary Lobe Pumps
Stalls under pressure	X		X			
Runs dry	X	X	X	X		
Self priming	X	X	X	X	X	
Metering capabilities	X	X		X	X	
Energy efficient electric drive	X	X		X	X	X
No rotational shaft seal	X	X	X	X		
Low pulsation operation mode	X				X	X

## Need Low Pulsation? No Problem!

Our SaniForce e-Series pumps are ideal for applications that require low pulsation and a smooth flow. The air charged drive allows for the elimination or reduction of pulsation **WITHOUT** expensive pulsation dampness or surge tanks.



### 1 Durable Pump Technology

- Handles slurries and abrasives all without damage to the pump
- Gentle on shear sensitive material

### 2 Diaphragm Pump

- Runs dry
- No rotating or moving fluid seals
- Self priming

### 3 Electric Drive

- Reduce energy consumption and operating costs
- Increase pump control
- Accurately meter fluid

### 4 Motor Options

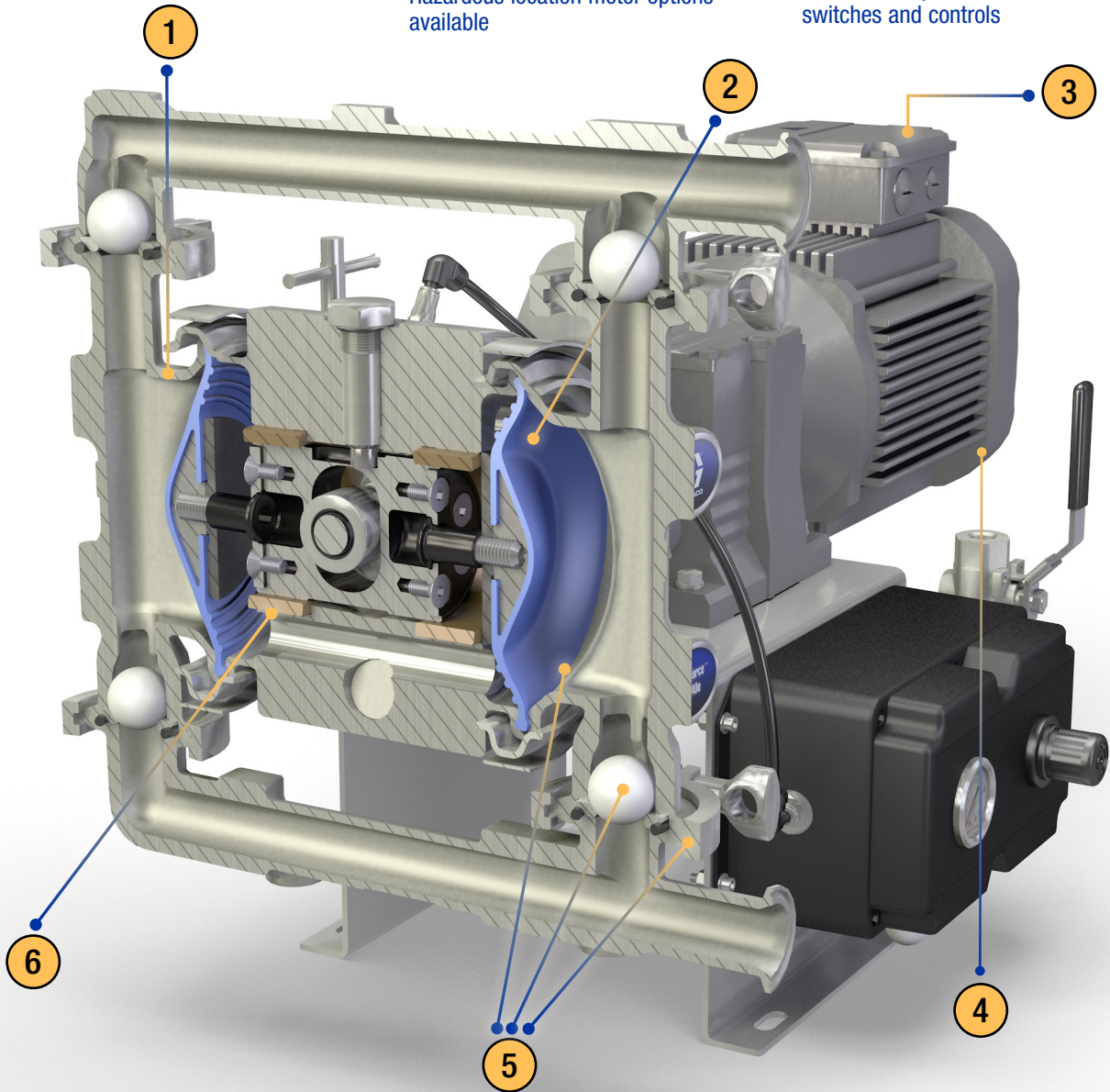
- Operate on 120v, 240v or 480v power
- Available in AC or Brushless DC
- Hazardous location motor options available

### 5 Fluid Section

- Create the pump you need with multiple material offerings for manifolds, seats, balls, and diaphragms

### 6 Patent Pending Air Charged Drive

- Increase diaphragm life without compromising your fluid
- Ability to reduce pulsation on fluid outlet
- Stalls under pressure without additional switches and controls



# Technical Specifications

Maximum fluid working pressure .....	70 psi (4.8 bar, 0.48 Mpa)
Air pressure operating range .....	20 to 80 psi (1.4 to 5.5 bar, 0.14 to 0.55 MPa)
Air inlet size .....	3/8 in npt(f)
Maximum suction lift* .....	Wet: 29 ft (8.8 m); Dry: 16 ft (4.9 m)
Maximum size pumpable solids .....	1/8 in (3.2 mm)
Ambient air temperature range for operation and storage** .....	32°F to 104°F (0°C to 40°C)
Fluid displacement per cycle .....	0.17 gallons (0.64 L)
Maximum free-flow delivery .....	35 gpm (132 lpm)
Maximum pump speed .....	280 cpm
Fluid Inlet and outlet Size	
Stainless steel .....	1.5 in sanitary flange or DIN
AC motor power.....	2 HP
BLDC motor power .....	2.2 HP

\*Reduced if balls don't seat well due to damaged balls or seats, lightweight balls, or extreme speed of cycling  
 \*\*Exposure to extreme low temperatures may result in damage to plastic parts

## Popular Models SaniForce 1040e Popular Models

Part Number	Center Section	Motor	Seats	O-rings	Balls	Diaphragm	Compressor
24Y595	SST	AC	SST	EPDM	Weighted Neoprene	Santoprene	No
24Y596	SST	AC	SST	PTFE	PTFE	PTFE Overmolded	No
24Y597	SST	AC	SST	PTFE	Santoprene	Santoprene	No
24Y598	SST	AC	SST	PTFE	Santoprene	Santoprene	No
24Y599	SST	AC	SST	EPDM	Weighted Neoprene	Santoprene	No
24Y605	SST	BLDC	SST	EPDM	Weighted Neoprene	Santoprene	No
24Y606	SST	BLDC	SST	PTFE	PTFE	PTFE Overmolded	No
24Y607	SST	BLDC	SST	PTFE	PTFE	2-Piece PTFE	No
24Y608	SST	BLDC	SST	PTFE	Santoprene	Santoprene	No
24Y609	SST	BLDC	SST	EPDM	Santoprene	Santoprene	No

\*Brushless DC includes Graco Controller  
 \*\*Options available with compressor

## Applications

### Edible Oils



### Wineries, Breweries, and Distilleries



### Juices, Concentrates, and Beverages



### Personal Care



### Condiments and Dressings



### Pharmaceuticals



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