



## GENERAL FLUID TRANSFER

# CHOOSING THE RIGHT PUMP: QUANTM™ VS. OTHER PUMP TECHNOLOGIES

Graco's QUANTM™ new electric-operated double diaphragm (EODD) pumps offer innovative and PATENTED solutions to age-old issues encountered by industries using a variety of other pump technologies. Through their flexibility and customisable design, they are perfectly suited for an exceptional variety of applications and conditions.

Here are some of the most common obstacles users face when working with various traditional pump technologies.

## GRACO QUANTM™ PUMPS

Compared to traditional pumps, Graco's QUANTM™ provides much more flexibility and sustainability. It's a game-changer.

- + Energy-efficient
- + Stalls under pressure \* PATENTED \*
- + Dry running
- + Sealless design
- + Low maintenance costs
- + Flow and pressure control
- + Self-priming
- + Quiet operation
- + Small footprint - No gearbox
- + Plug-And-Play



## MAIN DRAWBACKS OF TRADITIONAL PUMP TECHNOLOGIES

### CENTRIFUGAL PUMPS

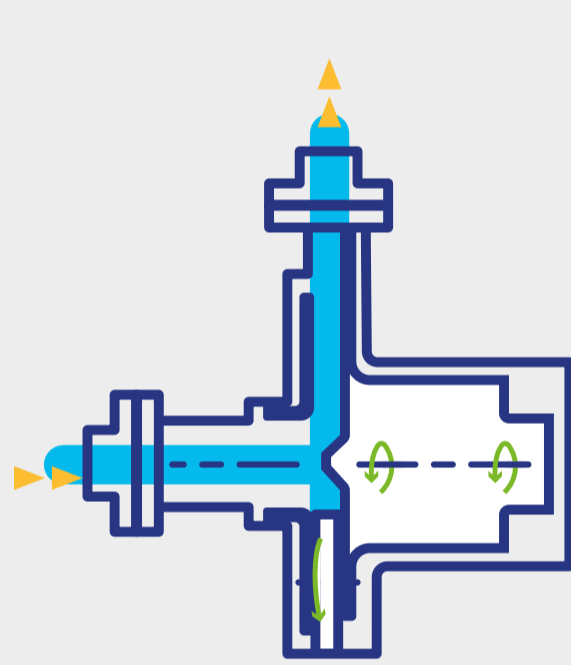


- Not suited for abrasives, solids and shear-sensitive liquids
- Does not allow for much variation in flow rate
- Application, pressure and flow rate need to be very stable for the pump to be efficient
- Unable to run dry or self-prime
- Cannot handle high viscosity

FOOTPRINT



### MAGNETIC DRIVE PUMPS

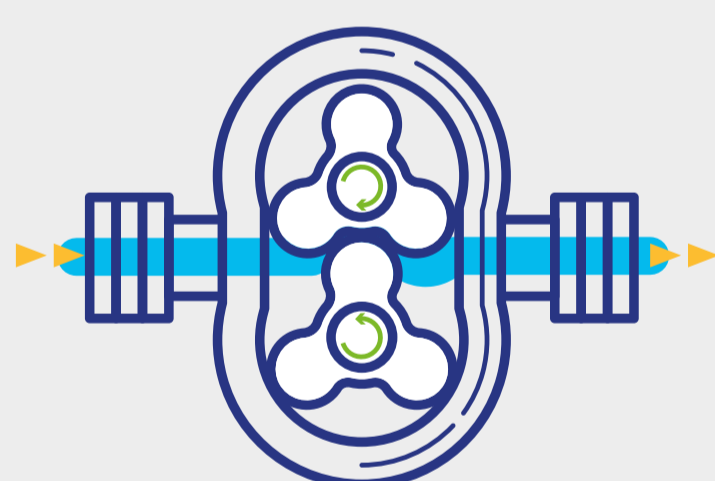


- Unsuitable for applications that involve solids
- Magnetic mechanism can cause overheating and even alter the fluid's composition
- Unable to run dry or self-prime
- Cannot handle high viscosity

FOOTPRINT

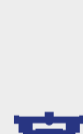


### ROTARY LOBE PUMPS

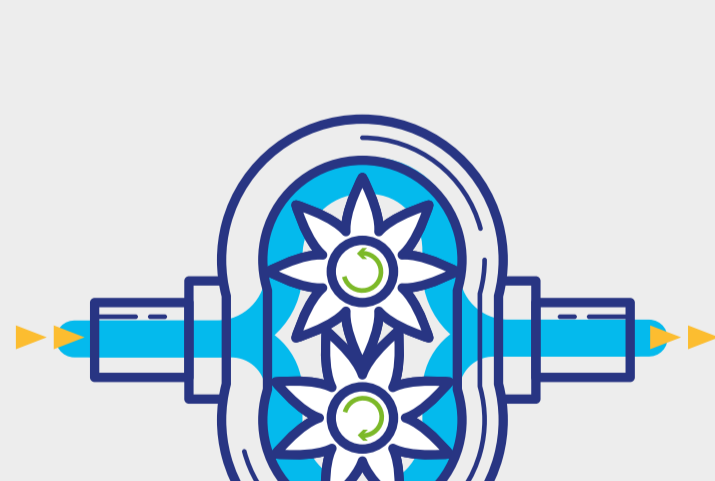


- Limited compatibility with fluids
- Unusually high maintenance costs
- Reduced lift with thin liquids
- Unable to run dry for extended periods of time

FOOTPRINT

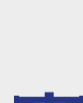


### GEAR PUMPS



- High maintenance costs
- Sensitive design and the need for expensive spare parts
- Unsuitable for operations with bulk flow rates
- Unable to run dry

FOOTPRINT

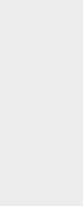
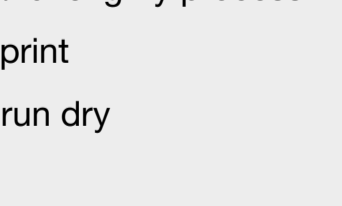


### PROGRESSIVE CAVITY PUMPS

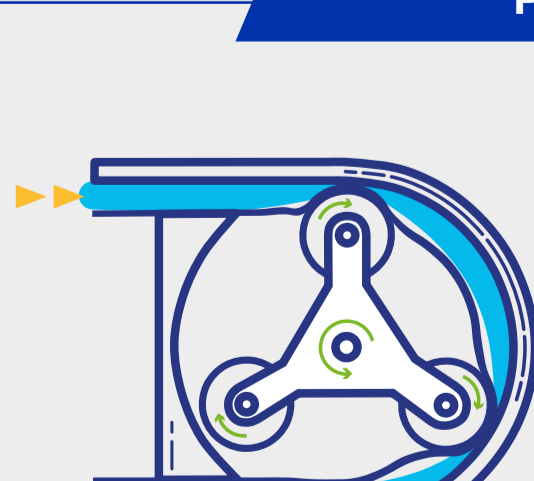


- High energy consumption due to high friction resistance
- Stators and rotors wear quickly, requiring replacement
- Replacement of these damaged parts is a difficult and lengthy process
- Large footprint
- Unable to run dry

FOOTPRINT



### PERISTALTIC PUMPS



- Higher upfront costs for higher flow rates
- Metering capacity can be compromised as hoses degrade
- Rupture of the hose can lead to contamination of the product

FOOTPRINT

