

Pulsa Series® 680

HYDRAULIC DIAPHRAGM METERING PUMP

Our time proven PULSA Series® 680 is a leak-free, hydraulically balanced diaphragm metering pump. It is engineered for precise dosing and long-term dependability to deliver superior value. Our flat diaphragm or unique HYDRAcone® head design, along with a variety of wet end materials, offers a diverse range of fluid handling solutions. PULSA Series® 680 is commonly used for applications in industries such as chemical processing, petrochemical, oil & gas, water & wastewater treatment, and power.



Applications

- corrosion inhibitors
- anti-scalants
- slurries
- disinfection
- pH and odor control



Flow

up to 39 gph (147 lph)



Pressure

up to 3,000 psi (207 bar)



Temperature

up to 250°F (121°C)



API 675, CE, ATEX

Standard materials of construction

- Wet end: 316LSS, GF-PTFE, PVC
- Diaphragm: PTFE
- Pump body: Cast Aluminum
- Valve ball: 316LSS, Alumina Ceramic
- Valve gaskets: PTFE

Connection types

- NPT
- Raised-face flange

Controls

- ELMA® - stroke length
 - NEMA Type 4X & Type 7
- VFD - speed

Leak detection

- PULSAAlarm®
 - Pressure based
 - IP66, NEMA Type 4X, NEMA TYPE 7

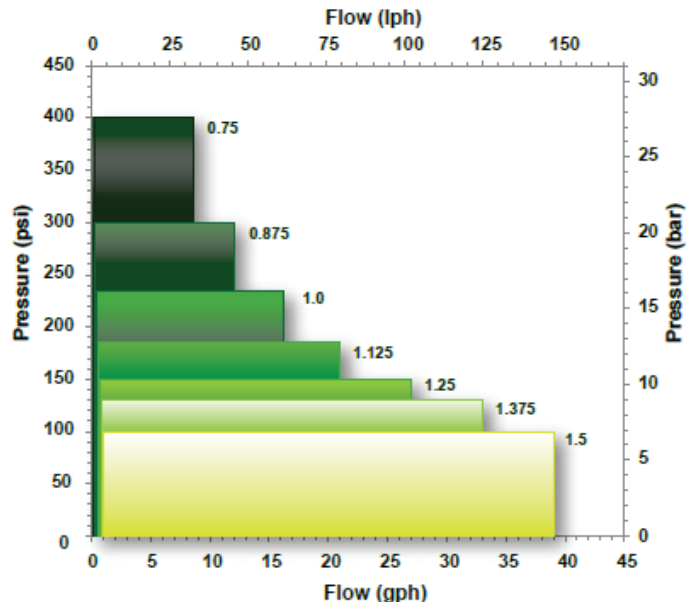
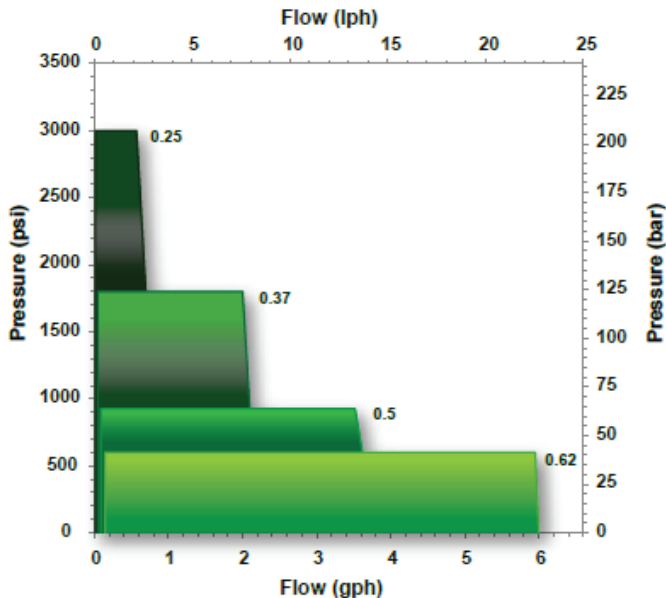
Duplex configurations

HYDRAcone design

- The solution for difficult suction lift conditions
- Ideal for sheer sensitive and high viscosity fluids
- Outstanding hydraulic performance
- Straight flow-through path
- Optional slurry valves
- Head: 316LSS, GF-PPL
- Elastomeric HYDRAcone

 **PULSAFEEDER®**
ENGINEERED PRODUCTS

FLOW & PRESSURE ENVELOPE



FEATURES & BENEFITS

- Stroke length control yields 0-100% linear flow adjustment over a 10:1 turndown range
- Hydraulically balanced diaphragm for long life and reduced service costs
- HYDRAcone® provides outstanding suction lift
- Proven hydraulic management system assures consistent performance and rapid recovery from system upsets
- Material options for safety, durability and chemical compatibility
- Sealed drive protects against atmospheric contamination and assures long service life
- Easy maintenance KOPkit® (Keep on Pumping kit) saves time and money

CUSTOM ENGINEERING

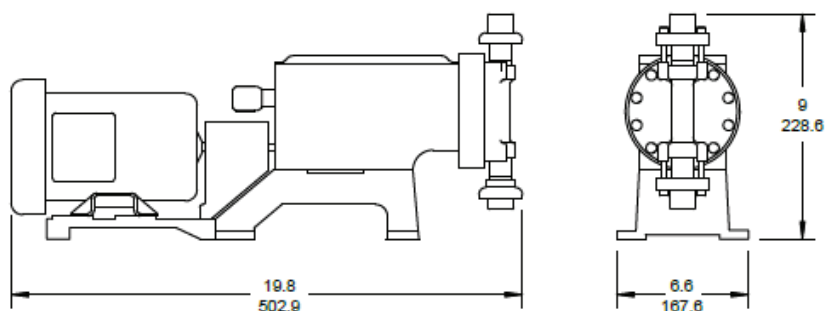
- Compatible materials: Alloy C, Alloy 20, Monel, DuplexSS, Titanium, PVDF
- Extended pressures to 3000 psi / 207 bar
- Extended temperature ranges
 - From -40°F (-40°C) to 700°F (371°C)
 - Remote heads and jackets
- Custom electronic controls
- Multiplex configurations
- Pneumatic stroke control
- Degassing valve
- Chemical feed systems
- Application consulting

SPECIFICATIONS

Materials	316LSS, PVC, GF-PTFE	Max temp	250°F (121°C)
Diaphragm type	Flat, Flat LD, Cone	Min temp	40°F (4.4°C)
Motor power	up to 0.25 hp (0.18 kW)	Accuracy	±1.0%
Motor frame	NEMA 48,56, IEC 71B3	Standards	API 675, CE, ATEX

DIMENSIONS

Approximate shipping weight: 55 lb. (25 kg.)



Inches
[Millimeters]

The dimensions given may differ depending on pump configuration.

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Pulsafeeder is an ISO 9001 Certified Company.

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