

# **PULSAFEEDER**<sup>®</sup> ENGINEERED PRODUCTS

## 680

## PULSA Series<sup>®</sup>

Our time proven PULSA Series<sup>®</sup> 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<sup>®</sup> 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 3000 psi (207 bar)



### Temperature

up to 180°F (82°C)



API-675 • CE • ATEX

## Hydraulic diaphragm metering delivers more than you expect.

### Standard materials of construction

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

### Connection types

- NPT
- Raised-face Flange

### Control options

- ELMA<sup>®</sup> - stroke length
  - ♦ NEMA Type 4X & Type 7
- VFD - speed

### Leak detection

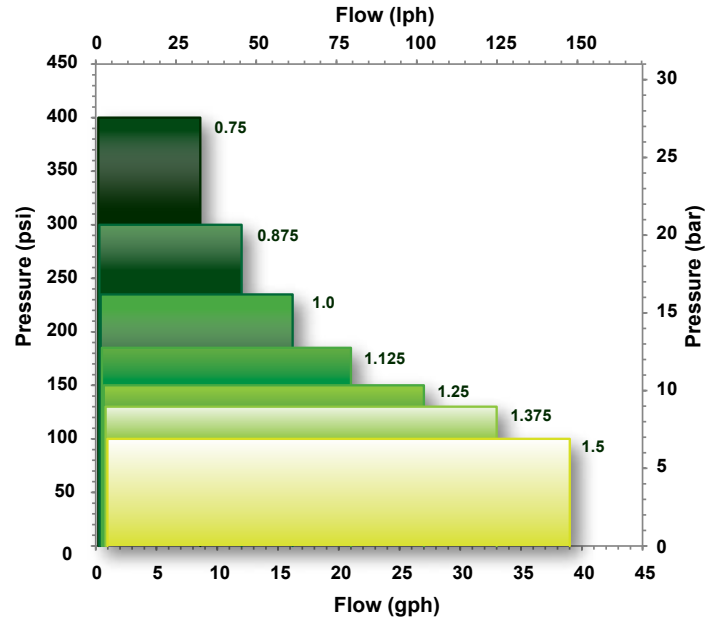
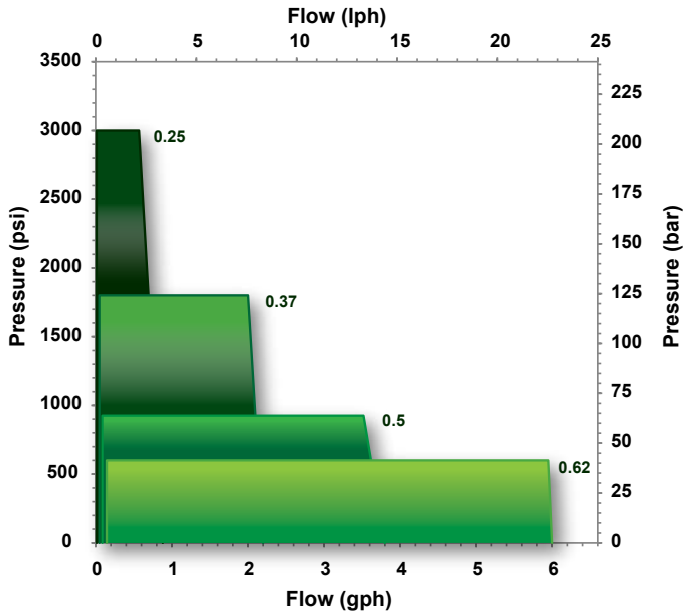
- PULSAlarm<sup>®</sup>
  - ♦ Pressure based
  - ♦ IP66 NEMA Type 7/4X

### Duplex configurations

### HYDRAcone<sup>®</sup> 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

## Flow & Pressure Envelope by Piston Size (inches)



### 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

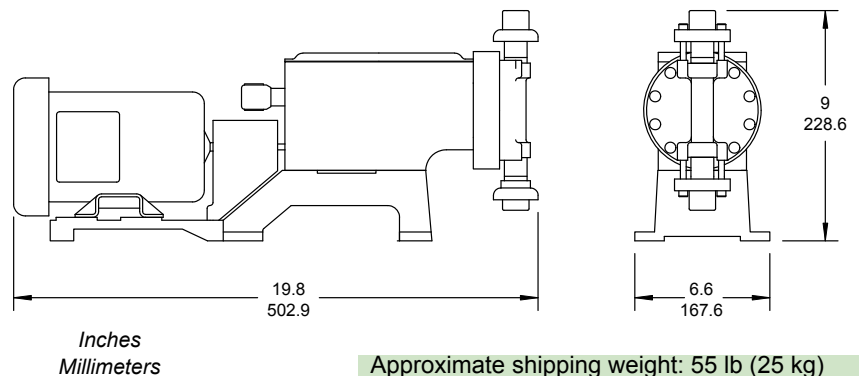
- Compatible materials: Alloy C, Alloy 20, Monel, DuplexSS, Titanium, PVDF
- Extended pressures to 3000 psi / 207 bar
- Extended temperature ranges
  - ♦ From -40°F (-40°C) to 700°F (371°C)
  - ♦ Remote heads and jackets
- Custom electronic controls
- Multiplex configurations
- Pneumatic stroke control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

**Spec Pulsafeeder.**  
Get more than you expect.

### Specifications

Materials	316LSS, PVC, GF-PTFE	Max temp	180°F (82°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%
Motor frame	NEMA 48,56, IEC 71B3	Standards	API-675, CE, ATEX

### Dimensions



The dimensions shown may differ depending on pump configuration.

**For More Information, Contact Your Authorized  
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Pulsafeeder is an ISO 9001:2008 and 14001:2004 certified company.

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