

Pulsa Series[®] 7440

HYDRAULIC DIAPHRAGM METERING PUMP

Our time proven Pulsa Series[®] 7440 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 HYDRAtube[®] head design, along with a variety of wet end materials, offers a diverse range of fluid handling solutions. The PULSA Series[®] 7440 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 440 gph (1,666 lph)



Pressure

up to 3,200 psi (221 bar)

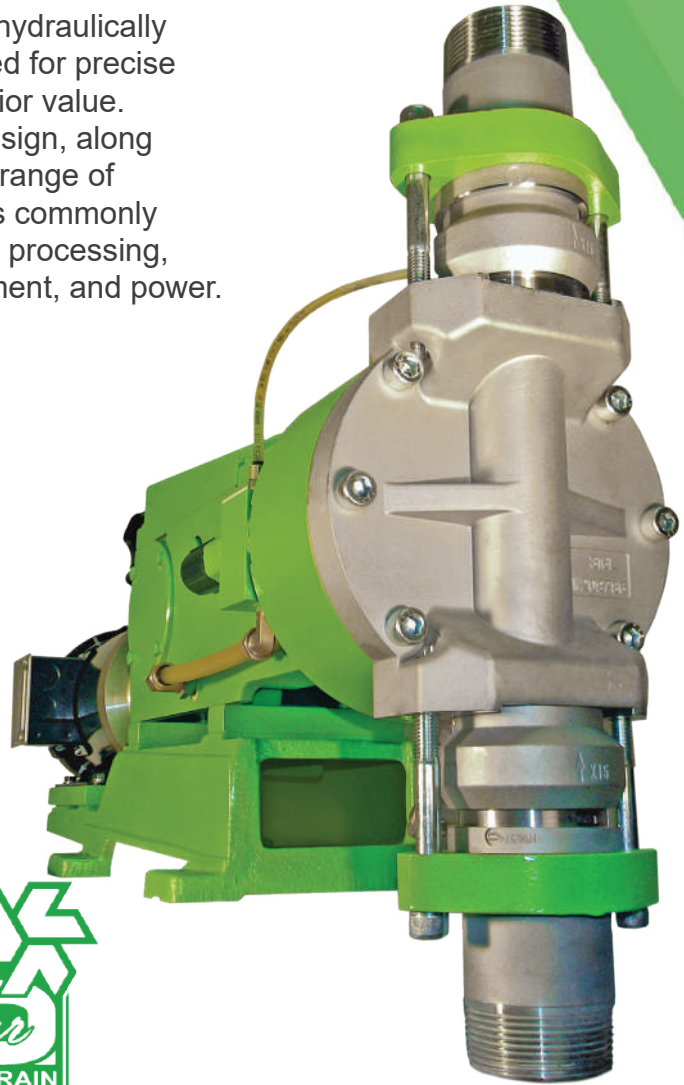


Temperature

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 Iron
- Valve ball: 316LSS, Alumina Ceramic
- Valve gaskets: PTFE

Connection types

- NPT
- Raised-face flange

Controls

- XAE - stroke length
 - NEMA Type 4X & Type 7
- VFD - motor speed

Leak detection

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

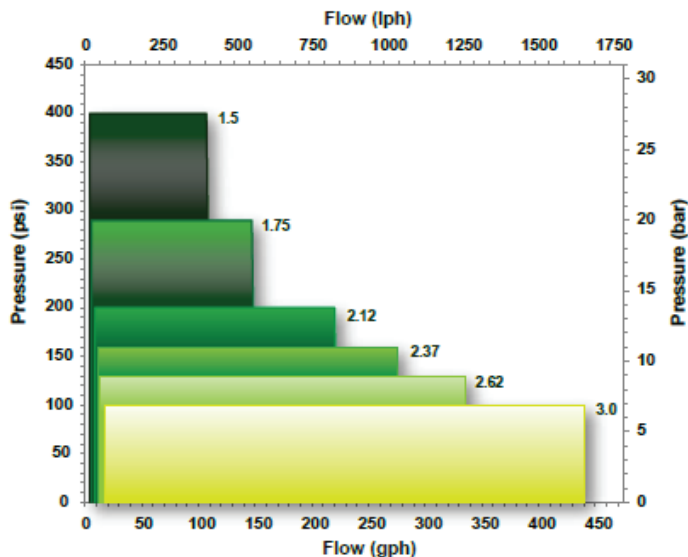
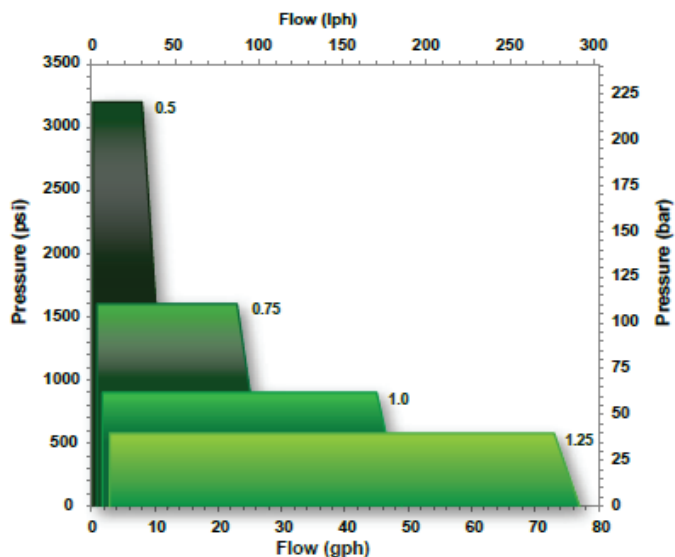
Duplex configurations

HYDRAtube[®] design

- The solution for sheer sensitive and high viscosity fluids
- Straight flow-through path
- Double diaphragm safety
- Optional slurry valves
- Robust Ductile Iron housing
- Elastomeric HYDRAtube
- ChemAlarm[®] leak detection

 **PULSAFEEDER[®]**
ENGINEERED PRODUCTS

FLOW & PRESSURE ENVELOPE



FEATURES & BENEFITS

- Full motion 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
- Proven hydraulic management system assures consistent performance and rapid recovery from system upsets
- Material options for safety, durability and chemical compatibility
- Epoxy coating resists corrosion from atmospheric contaminants
- Easy maintenance KOPkit® (Keep on Pumping kit) saves time and money

CUSTOM ENGINEERING

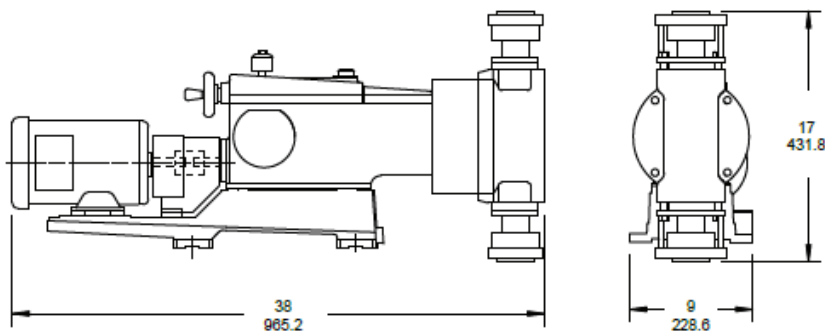
- Compatible materials: Alloy C, Alloy 20, Monel, DuplexSS, Titanium, PVDF
- Extended pressures to 3625 psi / 250 bar
- Extended temperature ranges
 - From -40°F (-40°C) to 700°F (371°C)
 - Remote heads and jackets
- Custom electronic controls
- Multiplex configurations
- Pneumatic stroke control
- Degassing valve
- Chemical feed systems
- Application consulting

SPECIFICATIONS

Materials	316LSS, PVC, GF-PTFE	Max temp	250°F (121°C)
Diaphragm type	Flat, Flat LD, Tube	Min temp	40°F (4.4°C)
Motor power	up to 2 hp (1.5 kW)	Accuracy	± 1.0%
Motor frame	NEMA 56, 143T/145T, IEC 71B3	Standards	API 675, CE, ATEX

DIMENSIONS

Approximate shipping weight: 310 lb. (141 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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