

PULSAPRO®

HYDRAULIC DIAPHRAGM METERING PUMP



Flow:
up to 270 gph (1,022 lph)



Pressure:
up to 5,100 psi (350 bar)



Temperature:
up to 275°F (135°C)



Viscosity:
up to 1,000 cPs



Ex CE API-675

PULSAFEEDER®
ENGINEERED PRODUCTS



PULSAPro® SE

PULSAFEEDER EXPERTISE

For over 75 years, Pulsafeeder, Inc. continues to be a global leader in chemical dosing innovation and fluid handling technology. The PulsaPro Series is the next technological evolution for the Petroleum, Chemical Processing, Energy and Water Treatment markets. PulsaPro builds from its legendary predecessor, Pulsa Series, with expanded performance, improved robustness, and new features to simplify operation and maintenance.

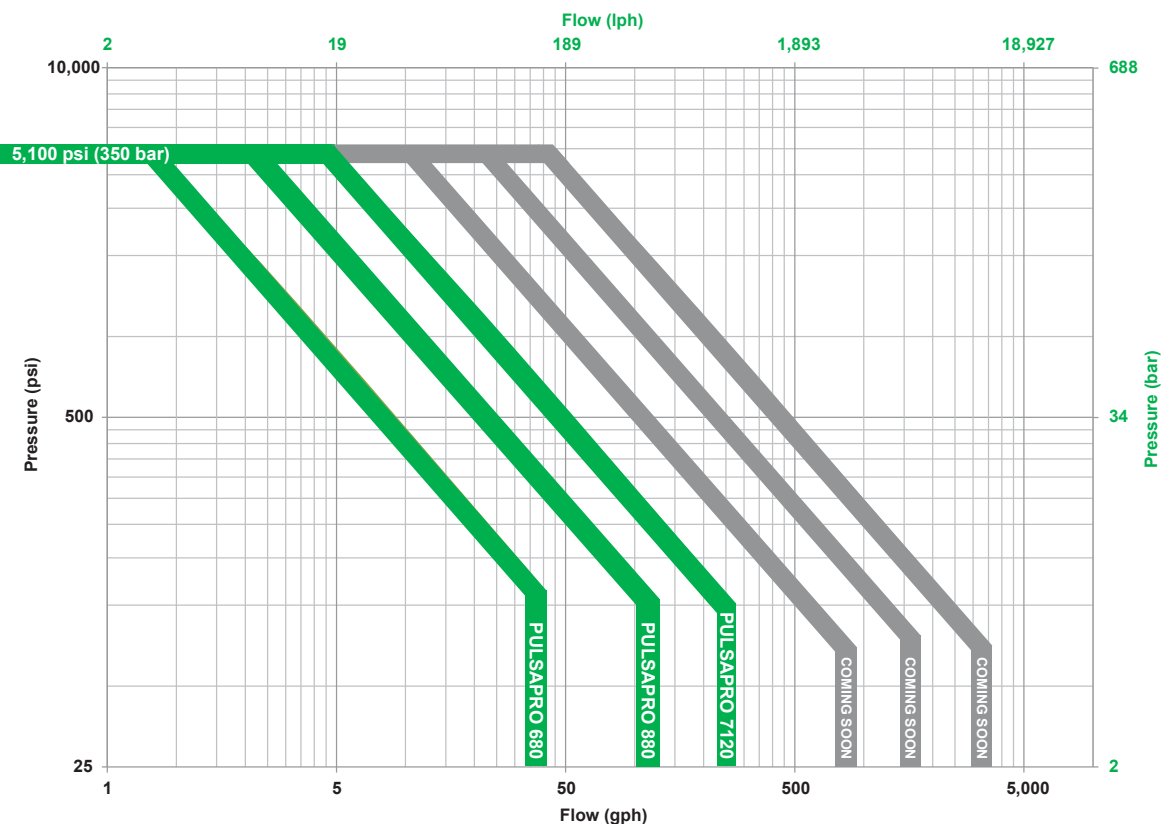
PulsaPro pumps are positive displacement reciprocating metering pumps that combine the high efficiency of a plunger pump with the sturdiness of a diaphragm seal to eliminate leakage. They provide maximum accuracy and repeatability with the dependability of a 5 year drive train warranty. Available in a wide range of materials and diaphragm designs, PulsaPro pumps offer a diverse range of fluid handling solutions.

PRODUCT SPECIFICATIONS

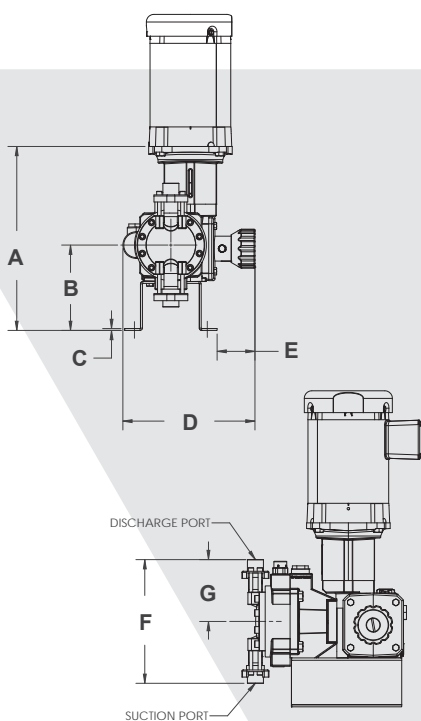
- Flows up to 270 gph (1,022 lph)
- Pressures up to 5,100 psi (350 bar)
- Steady state accuracy of +/-0.5% of set point
- Repeatability of +/-0.5% of rated capacity
- Linearity of +/-0.5% of rated capacity
- Full motion stroke length control mechanism
- Manual stroke length capacity control with 100:1 turndown
- Fluid temperatures from -10 to 275°F (-23 to 135°C)
- Viscosity up to 1,000 cPs
- Net Positive Inlet Pressure (NPIP) required: 3 psi (0.2 bar)
- Compliant to API-675, CE and ATEX standards
- Diaphragm types: flat, double diaphragm with pressure leak detection, HYDRAtube or HYDRAcone
- Modular configurations: simplex, duplex, triplex and multiplex up to 17 pumps
- 4-bolt tie bar
- Connection types: NPT, BSPT, raised-face flange
- Motor frames: 56C, 143/145TC, 182/184TC, IEC71, IEC80, IEC90

PULSAPRO® TE

PERFORMANCE



DIMENSIONAL DRAWINGS



PUMPS	PulsaPro 680	PulsaPro 880	PulsaPro 7120
A - inches	13.59 / 12.11	13.59 / 12.11	15.45 / 13.98
A - mm	345.2 / 307.7	345.2 / 307.7	392.5 / 355.1
B - inches	6.00	6.00	7.76
B - mm	152.4	152.4	197.0
C - inches	0.13	0.13	0.13
C - mm	3.4	3.4	3.4
D - inches	9.29	9.29	11.12
D - mm	235.9	235.9	282.4
E - inches	2.66	2.66	3.83
E - mm	67.6	67.6	97.2
F - inches	16.37 / 8.00	16.37 / 8.00	16.37 / 8.00
F - mm	415.8 / 203.1	415.8 / 203.1	415.8 / 203.1
G - inches	8.19 / 4.00	8.19 / 4.00	8.19 / 4.00
G - mm	207.9 / 101.5	207.9 / 101.5	207.9 / 101.5

Values shown are (max / min)

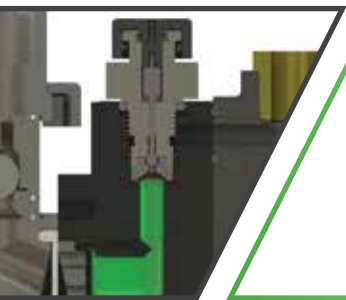
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FEATURES & BEN



PATENTED HYDRAULIC DIAGNOSTICS

- Immediate visual indication of pump performance
- Simple to monitor diaphragm integrity & oil level
- Instantaneous auditing of system overpressurization



PUSH-TO-PURGE VALVE

- Releases entrained air trapped in the oil
- Visual indication of air bleed through diagnostic window
- External spring-loaded button assists in hydraulic fluid priming



HYDRAULIC BYPASS VALVE

- Provides protection for pump overpressurization
- Externally adjustable
- Continuous visual inspection



HYDRAULIC PERFORMANCE VALVE

- Provides resilience to system upsets
- Replenishes hydraulic oil on suction stroke only
- Eliminates the need for process side dish plate
- Lowers NPIP requirement to 3 psi



NON-VENTED GEARBOX DESIGN

- Fully sealed, non-vented gearbox prevents ingress of contaminants
- Gearbox meets IP56 rating for use in the harshest environments
- Super compact design allows for installation in the tightest areas



CUSTOM ENGINEERING

ENGINEERED SOLUTIONS

Pulsafeeder, Inc. is a leader in providing metering pump technologies for both stand-alone pumps and skid mounted configurations. By listening to the needs of our customers, Pulsafeeder engineers and fabricates skids to your specifications, and ensures they are compliant with industry and international standards.

We understand that each chemical has its own unique set of challenges that must be taken into consideration in the design, selection, and application of the pump systems. No matter what chemicals you are dosing, safety, reliability, and precise control are required to optimize the chemical reaction and reduce operating costs.

Known for their rugged construction and dependability, our pumps and systems are manufactured to the highest level of performance and quality. Along with providing integrated engineering solutions, we offer full warranty packages along with exceptional after-sales service.



PARTS, KITS & ACCESSORIES



KOPKIT® (KEEP ON PUMPING KIT)

Designed to guard against unnecessary downtime and assure the highest level of efficient and uninterrupted service from your pump. In the event of a breakdown, KOPkit® will put you back in business fast!



METERING PUMP ACCESSORIES:

- Pulsation Dampeners
- Back Pressure Valves
- Pressure Relief Valves
- Calibration Columns
- Y-Strainers



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