PULSAFEEDER®
An IDEX Water & Wastewater Business

pulsafeeder.com

The PULSA 7660 was designed to provide years of dependable liquid metering. It features rugged, heavy duty construction combined with traditional PULSA precision. Customized versions are available to meet your special pumping requirements. Like every PULSA Series pump, the 7660 is a result of over 45 years of pump research, development and testing. And like every PULSA series pump, the 7660 is the value leader in its category.

Key Features

- Full motion stroke length control mechanism gives 0-100% sinusoidal flow output with infinite increments of adjustment.
- Fully sealed drive and control mechanism with diaphragm breather to eliminate atmospheric contamination and assure extended service life.
- Flooded lubrication. No lubricator pumps required.
- Simple in-line componentry easily serviced without major disassembly.
- Built-in hydraulic by-pass valve, make-up valve and bleeder valve for hydraulically balanced, trouble-free operation.
- Rugged diaphragms constructed of PTFE, elastomer or metal with precise hydraulic balance for safe accurate metering.
- A broad selection of economical head, diaphragm and valve designs to handle any liquid metering application.
- Material options to handle any liquid.

Operating Benefits

- Flows up to 1734 GPH (6563 LPH), and pressures up to 5000 psi (345 bar).
- Metering accuracy with a ±1% over a 10:1 flow range.
- Drive components carry a two-year warranty.

Control Options

Electric Stroke Length Control

- A fully electric PULSAmatic® stroke length controller is available for operation with electric instrument signals.

Pneumatic Stroke Length

- A fully pneumatic operator design for use with a typical 3 to 15 psi (0.2 to 1.0 kg/cm²) instrument air signal to produce 0 to 100% flow.

MPC Vector

- The MPC VECTOR is an advanced pump controller that is physically separated from the pump's enclosure. Its purpose is to precisely adjust output flow of a process media by means of pump motor speed control, and is designed for a wide variety of control applications.

Leak Detection is available in either Pulsalarm® or Chemalarm®

Aftermarket & Accessory Offerings

- KOPkit®
- Cal Columns
- Strainer
- Pressure Relief Valves
- Back Pressure Valves
- Pulsation Dampeners
- Gauges

CE API-675

PULSA Series® 7660

Hydraulic Diaphragm Metering Pump

PULSA Series® 7660

Specifications and Model Selection

RATED FLOW, AT RATED PRESSURE (LPH)				RATED PRESSURE	Diaphragm[2] Style	PISTON SIZE (inches)	Connection INLET/OUTLET FNPT (inches)
50 Hz Flow		60 Hz Flow					
48 SPM	194 SPM	58 SPM	175 SPM	PSI (Bar)			
1.7 (6.3)	4.2 (16)	2 (7.6)	5.1 (19)	5000 (345)	M	0.375	½ M
6.1 (23.3)	24.7 (93)	7.4 (28)	22.3 (84)	3625 (250)	T	0.5625	½
10 (38)	40 (151)	12 (45)	36 (136)	2000 (138)	T	0.75	½
19.6 (74)	77 (291)	23.5 (89)	69 (263)	1100 (76)	T	1	1
33.3 (126)	131 (497)	40 (151)	118 (448)	500 (34.5)	TH	1.25	1
49 (186)	194 (735)	59 (223)	175 (662)	350 (24)	TH	1.5	1½ M
88 (331)	354 (1339)	105 (397)	319 (1207)	270 (18.6)	TH	2	1½ M
138 (520)	542 (2053)	165 (625)	489 (1850)	170 (11.7)	TH	2.5	2½ M
193 (732)	760 (2877)	232 (878)	685 (2593)	120 (8.3)	TH	3	2½ M
233 (880)	914 (3460)	279 (1056)	824 (3118)	100 (6.9)	TH	3.25	2½ M
278 (1050)	1091 (4132)	333 (1261)	984 (3724)	90 (6.2)	TH	3.5	2½ M
341 (1290)	1370 (5187)	409 (1548)	1235 (4675)	70 (4.8)	T	4	2½ M
430 (1628)	1734 (6563)	516 (1953)	1563 (5915)	57 (3.9)	T	4.5	3M

1. Ratings subject to change
2. M = Metal; T = Teflon; H = HydraTube

Engineering Data

Materials: Standard wet end materials available are 316SS, 20SS and glass-filled PTFE. Standard valve materials available are 316SS, 20SS, Alloy C and alumina ceramic. Valve gaskets are PTFE. Custom materials quoted on request. Pump body is cast iron. Cover and coupling guard are cast aluminum. Intermediate fluid in HYDRATUBE® models is a 33% ethylene glycol-water solution. Alternate fluids are available. HYDRATUBE® housing is "ductile iron" – a high grade, high strength casting.

Ratings: General fluid temperature limits, 10°F to 180°F (-12°C to 82°C). Glass-filled PTFE, 40°F to 150°F (4.4°C to 82°C). Modified designs to -40°F to 700°F (-40°C to 371°C) are available.

All glass-filled PTFE wet ends limited to 150psi (11kg/cm^2) rated pressure and rated flow is reduced 5%. Most high pressure ratings have improved capacity at lower operating pressure.

Reduce all rated flows by 5% when using pneumatic stroke length adjustment.

Valves: Single, ball type or disc type, inlet and outlet check valves are standard. Double check valves are optional on all ball-type check valves. Ratings of 1000 psi (70kg/cm^2) and above have double check valves as standard design.

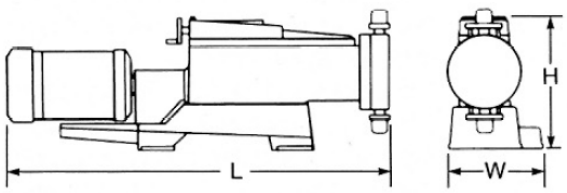
Motors: 1, 2, and 3 HP, 1750 RPM, foot mounted motors are used depending on rated pressure.

Custom Engineered Designs

- Remote Head
- High Temperature Remote Head
- Anti-Siphon Valve
- Degassing Valve

Dimensions

PULSA 7660	L	H	W	Approx. Shipping Weight
Inches	48	18	15	550 lbs.
Centimeters	121.9	45.7	38.1	249.5 kg.



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An ISO 9001 and ISO 14001 Certified Company

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