

With PULSAmatic[®], we've greatly simplified metering pump automation. Just as importantly, we've helped cut the cost- initially and over the long run. Our proven system uses low energy brakes and a diamond screw. This effectively uses your PULSA Series pump's own power to adjust stroke length or pump output. The compact PULSAmatic[®] operator cover mounts in place of a typical manual hand wheel control to minimize floor space requirements.

Key Features

- Flow control is accomplished by low current electronic switching to energize small 24-volt increase or decrease brakes.
- The environmentally superior design has no exposed shafts or couplings. It also features optimum protection from signal equipment malfunction and operator errors.
- Miniature mechanical switches, which activate only when external imbalances occur, serve as full backup to electronic limits.
- Mechanical hand wheel override with override switch to manually control pump whenever necessary.
- Quality components such as clutched feedback and trim pots.
- Digital stroke length indicator calibrator 0-100% for instant recognition of pump output.
- Mechanical handwheel override with override switch to manually control pump whenever necessary.
- NEMA 4 watertight and UL listed NEMA 7 explosion-proof enclosures.
- Quality Components such as clutched feedback and trim pots.

Controls Options

- Manual
- Auto/Manual
- Auto/Manual with meter readout
- Auto/Manual with ratio control and meter readout
- Panel mount components

Operating Benefits

- 24-volt electronics uses less energy than electrically motorized or pneumatic piston actuators.
- Unit has few moving parts. No belts, couplings or gear drives to service.
- Coordinated design enables PULSAmatic[®] to retrofit to manual or pneumatic controlled PULSA Series pumps.
- Compact design does not require additional pump floor space.



Aftermarket & Accessory Offerings

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



PULSA[®]matic

Engineering Data

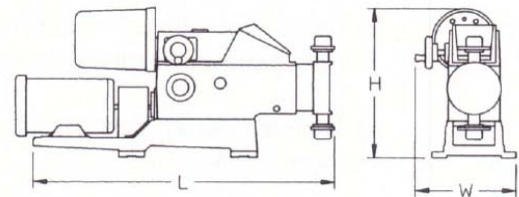
Electric Power Required:	115/230 VAC, 50/60 Hz, Single Phase
Max. Power Consumption:	Static – 15 watts Dynamic – 23 watts
Control Range:	0 – 100%
Standard Signal Range:	1–5 mA @ 2000 ohm Impedance 4–20 mA DC @ 470 ohm Impedance 10–50 mA DC @ 180 ohm Impedance 0–10 V DC @ greater than 270,000 ohm 1000 ohm slide wire
Output Signal:	0–10 mA DC @ 500 ohm Impedance 4 – 20 mA DC @ 250 ohm Impedance
Dead Band Adjustment:	0.5% to 6.0%
Response time for 0-100% change: (25.7 to 60 sec depending on pump stroke rate)	60 strokes of pump
Enclosures:	NEMA 4 (Watertight) NEMA 7 (Class I, Group C And D)

Custom Engineered Designs

- 0-100% ratio control.
- Split range and reverse acting capabilities.
- 0-10VDC or 4-20mA (optional) output for control interface.
- Microprocessor interface.
- Separate operator stations in NEMA 13 or 4X enclosures or panel mount components.
- Digital/Analog remote meter readout capability.

Dimensions

PULSA Model	L	H	W	Approx. Shipping Weight lb (kg)
	in (cm)			
7120	34 (86)	11 (28)	17 (43)	200 (91)
7440	38 (97)	11 (28)	17 (43)	408 (185)
7660	48 (122)	15 (38)	21 (53)	620 (282)
8480	61 (155)	18 (46)	24 (61)	875 (398)



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An ISO 9001 and ISO 14001 Certified Company



PSM002 – 8/2010