

PULSAtron[®] PLUS

PULSAFEEDER[®]
A Unit of IDEX Corporation

Series T7 Feed Control with 7 Day Timer

The Series T7 was designed to feed chemical products on a timed schedule. Typical applications include the feed of biocides in open-air cooling towers. The feed cycle is initiated and controlled by the programmable timer. The Series T7 provides everything you need in one unique, compact package to create a simple and cost effective metering system for timed applications.

Principal of Operation

The Series T7 is controlled by a 7-day programmable timer. The timer is programmable in 1-minute increments with up to 8 on/off cycles per day. Each timed event can be set to run any day of the week on a 7-day cycle.

Other control features include a standby mode, continuous 'ON' mode and the ability to adjust the stroke length from 0 – 100%.

Operating Benefits

- **Complete Timer Control in one unique package.** There is no need for a separate timer. All timer functions are integrated into the pump eliminating the expense of purchasing and installing another piece of equipment.
- **Event-based 7-day Cycle Control.** Event based timer allows the Series T7 to be used for a wide variety of timed applications, including the feed of Biocides.
- **Reliable metering performance.** Guided check valves with the proven seat and ball designs make PULSAtron the most reliable metering pumps in the world. PULSAtron pumps are known for excellent suction lift characteristics resulting in highly dependable chemical additions.

- **Rated 'hot' for Continuous duty.** PULSAtron Plus pumps continue to meet their specifications for pressure and capacity during extended use. The solenoid is separately encapsulated in a fin-cooled, thermal-conductive enclosure that effectively dissipates heat away from the electronics.
- **Leak-free, wet end without seals.** Our diaphragms are of superior construction – PTFE-faced, bonded to a composite of Hypalon and fabric layers and reinforced with a metal insert for optimum flexibility and durability.



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PULSAtron PLUS Series T7 Specifications

Four distinct models are available, having pressure capabilities to 100 PSIG / 7 BAR during programmed feed times and flow capacities to 44 GPD / 6.94 LPH, with a 10:1 turndown ratio. Metering performance is reproducible to within ±3% of maximum capacity. For full model selection information refer to Price Schedule EMP-PS LP.

- Isolated from Earth Ground
- 120VAC or 250VAC @ 50/60 HZ, 5A max
- Mode Select Knob, Stroke Length, Stroke Rate
- 12, 24 & 30 GPD @ 100 psi - 7 bar & 48 GPD @ 50 psi – 3.3 bar
- Stroke length adjust 0-100% in 1% increments. Turn down ratio 10:1



7-Day Timer

Solid-state 7-day electronic timer for easy adjustment of metering schedules and feed rates. Manual control allows for easy priming and start-up. The timer is programmable in 1 minute increments, with up to 8 events per day.

Pressure and Flow Rate Capacity

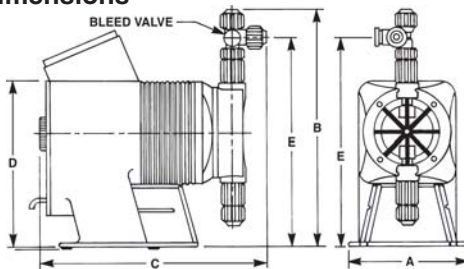
| | | | | | |
|------------------------|---------|--------|--------|--------|--------|
| Capacity, nominal | GPD | 0.50 | 1.00 | 1.25 | 2.00 |
| | GPH | 12 | 24 | 30 | 48 |
| | LPH | 1.9 | 3.8 | 4.7 | 7.6 |
| Pressure, max PSIG/Bar | | | | | |
| | 100/7.0 | LC13BA | LC14BA | LC64BA | |
| | 50/3.3 | | | | LC44BA |

Liquid End Materials

| Series | Pump Head | Diaphragm | Check Valves | | Fittings | Bleed Valve | Injection Valve Assembly Foot Valve Assembly | Tubing |
|-----------|-----------------------------|------------------------------|----------------------------|------------------|----------------------|---|---|-----------------------|
| | | | Seats / O-Rings | Balls | | | | |
| Series T7 | GFPPL PVC SAN PVDF | PTFE-faced Hypalon-backed | PTFE, Hypalon, Viton | Ceramic, PTFE | GFPPL PVC PVDF | Same as fitting and check valve selected, except 316SS | Same as fitting and check valve selected | Clear PVC White PE |

Important: Material Code— GFPPL = Glass-filled Polypropylene, PVC = Polyvinyl Chloride, SAN = Styrene-Acrylonitrile, PE = Polyethylene, PVDF = Polyvinylidene Fluoride. Hypalon and Viton are registered trademarks of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

Dimensions



| Series T7 Dimensions (inches) | | | | | | |
|-------------------------------|-----|------|------|-----|-----|------------------------|
| Model No. | A | B | C | D | E | Shipping Weight (lbs.) |
| LC13BA | 5.0 | 9.6 | 9.5 | 6.5 | 8.2 | 10 |
| LC14BA | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10 |
| LC64BA | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10 |
| LC44BA | 5.4 | 10.6 | 11.3 | 7.4 | 9.2 | 11.8 |

Note: Inches x 2.54 = cm

KOPkit®

Available for every model, the KOPkit provides an economically priced package of parts required for routine maintenance. The kit typically contains new valve cartridges with o-rings, head, diaphragm, secondary o-ring seal, head screws and washers.

For further KOPkit information, refer to Technical Sheet No. GB-045.



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