

### C-1500N

#### Fixed Speed

#### 2 OUTPUT CONTROL OPTIONS:

**Standard Models** feature a quick adjusting, high accuracy mechanical *stroke length control*. The pump's efficient design allows for a minimum stroke length of 5%. Minimum recommended output is 5% of maximum.

**Deluxe Models** feature *stroke length* and electronic *time Interval control*. The pump's on time is adjustable from 5-100% of the repeating 5 second time interval. (0.25 - 5.0 sec.) The high frequency of the repeating 5 second time interval, and the extremely accurate mechanical stroke adjustment, result in a higher frequency of small injections per minute. Minimum recommended output is .5% of maximum.



Standard



Deluxe



#### Features:

- All ball bearing, permanently lubricated gear motor for smooth, quiet, powerful operation.
- Double-ball inlet and outlet cartridge type ceramic check valves. Chemical resistant PVDF valve body and fitting, ceramic balls, Viton static seals and TFE/P ball seat o-rings. No metal springs are used.
- Stroke adjustment from 5-100% permits accurate small injections at a high rate per minute.
- Outputs to 36 LPH (228.1 GPD).
- Output pressures to 125 PSI.
- Teflon coated EP diaphragm.
- Includes visual flow indicator on the suction line tubing.
- Outdoor rated enclosure.
- Durable housing of chemical resistant Valox (PBT) thermoplastic.
- PVDF suction (foot) valve with Viton and TFE/P o-rings, ceramic check ball and removable polypropylene filter screen.
- Includes 3/8" OD suction and discharge tubing, Injection fitting with spring-loaded check valve and all mounting hardware.

#### Specifications:

Max. working pressure: .....125 psig (8.6 bar)  
 Max. fluid temperature: .....130° F (54° C)  
 Max. ambient temperature: ..14° to 110° F/ -10° to 43° C  
 Maximum viscosity: .....1,000 Centipoise  
 Maximum suction lift: .....10 ft. Water 0 psig

#### Output adjustment range:

Standard model: 5-100% stroke length  
 Deluxe model: ...5-100% stroke length &  
 5-100% of the repeating 5 second interval timer.  
 (12 Injections per minute)

Duty cycle: .....Continuous  
 Enclosure: .....NEMA type 3R, (IP23)  
 Voltage (amp draw): .....115VAC/60Hz, 1ph (.74 amp max)  
 230VAC/60Hz, 1ph (.36 amp max)  
 220VAC/50Hz, 1ph (.31 amp max)  
 24VAC/60Hz, 1ph (3.40 amp max)  
 Power Cord Plug Type: .....115V60Hz = NEMA 5/15 (USA)  
 230V60Hz = None (junction box)  
 220V50Hz = CEE 7/VII (EUROPE)  
 24V50Hz = None (junction box)

Approximate shipping wt: ...8 lb. (3.6 kg)

#### Materials of Construction:

##### Wetted components:

Pump Head: .....Polypropylene (options: Teflon, Acrylic)  
 Pump Head Inlet/outlet Valves:  
 Cartridge valve body: .....PVDF  
 Tube adapters: .....PVDF  
 Check Balls: .....Ceramic  
 Ball Seat O-ring: .....TFE/P (optional EP)  
 Static Seal O-ring: .....Viton<sup>®</sup> (optional EP)  
 Suction Tubing: .....Clear PVC  
 Flow indicator: .....Clear PVC body, glass ball  
 (Carwash models use 316 SS ball)  
 Discharge Tubing: .....Natural Polyethylene (LLDPE)

##### Suction Footvalve/Strainer:

Body & Tubing adapter: .....PVDF (optional Teflon)  
 Strainer: .....Polypropylene  
 Check Ball: .....Ceramic (optional Teflon poppet)  
 Ball Seat O-ring: .....TFE/P (optional EP)  
 Static Seal O-ring: .....Viton<sup>®</sup> (optional EP)

##### Injection/Check valve:

Body & insert: .....Polypropylene (optional PVDF, Teflon)  
 Check Ball: .....Ceramic (optional Teflon poppet)  
 Spring: .....Hastelloy C-276  
 Ball Seat O-ring: .....TFE/P (optional EP)  
 Static Seal O-ring: .....Viton<sup>®</sup> (optional EP)

