

A-100NV

Variable Speed

Digital Control

4-20mA, 0-10VDC
& Pulse Inputs



Features:

- Peristaltic pump design does not have valves that can clog requiring maintenance.
- Self priming - even against maximum line pressure. By-pass valves are not required. Cannot vapor lock or lose prime.
- Outputs to 5.17 GPH (19.56 LPH).
- Output pressures to 100 PSI (6.9 bar).
- Output volume is not effected by changes in back pressure.
 - Patented pump tube design installs easily and stays centered on the rollers without manual adjustment.
- Two pump tubes supplied with each pump. No extra tubing required.
- Accepts 4-20mA, 0-10Vdc, and Pulse inputs for manual or external speed control.
- Operator friendly digital touch pad.
 - Easy to read LCD display
 - Service and Alarm indicator icons.
 - Display motor speed or input signal values.
 - Prime mode for easy priming without changing programming.
- Built-in Tube Failure Detection system (TFD). Senses chemical in the pump head, shuts off the pump and activates a 1 amp alarm relay (dry contact closure).
- Compatible with Blue-White's output flow verification sensor system.
- Durable housing of chemical resistant Valox (PBT) thermoplastic.

Specifications:

Max. working pressure:100 psig (6.9 bar)
 Max. fluid temperature:130° F (54° C)
 Max. ambient temperature: ...14° to 110° F/ -10° to 43° C
 Output adjustment range: ...5-100% in 1% increments (20:1 turndown)
 Duty cycle:.....Continuous
 Maximum viscosity:5,000 Centipoise
 Maximum suction lift:30 ft. Water 0 psig
 Maximum Solids:50% by volume
 Enclosure:NEMA 3R, (IP23)

Voltage (amp draw):115VAC/60Hz, 1ph (.350 amp max)
230VAC/60Hz, 1ph (.173 amp max)
220VAC/50Hz, 1ph (.175 amp max)
240VAC/50Hz, 1ph (.193 amp max)
 Power Cord Plug Type:115V60Hz = NEMA 5/15 (USA)
230V60Hz = NEMA 6/15 (USA)
220V50Hz = CEE 7/II (EUROPE)
240V50Hz = CEE 7/II (EUROPE)
 Approximate shipping wt: ...12 lb. (5.4 kg)

Materials of Construction:

Wetted components:

Pump Tube Assembly:.....Norprene[®], Norprene Chemical[®],
 Tygothane[®] or Viton[®] tubing
 with PVDF connection fittings
 Suction Tubing:.....Clear PVC
 Suction Strainer:Natural Polypropylene
 Discharge Tubing:.....Natural Polyethylene (LLDPE)
 Injection/Check valve:
 Body & insert:Polypropylene (optional PVDF)
 Check Ball:Ceramic
 Spring:Hastelloy C-276
 Ball Seat O-ring:TFE/P (optional EP)
 Static Seal O-ring:Viton[®] (optional EP)

Non-Wetted components:

Pump Head & Enclosure:Valox[®] (PBT) thermoplastic
 Pump Head Cover:Clear PVC
 Cover Screws:300 Stainless, Polypropylene cap
 Roller Assembly:
 Rotor:Valox[®] (PBT)
 Rollers:Nylon
 Roller Bearings:Bronze
 Motor Shaft:Nickel plated steel
 TFD System Sensor pins:Hastelloy C-276
 Power Cord:3 conductor, SJTW-A Water-resistant

