

A-100NA

Fixed Speed

Dial Knob Control

60 second cycle timer



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 250 ml/min (95.1 GPD).
- Output pressures up to 100 PSI.
- 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.
- Easy to use dial knob output control.
- 20:1 turndown ratio.
- Adjustable 60 second repeating interval timer. 3-60 second adjustable on time per 60 second cycle.
- Built-in Tube Failure Detection system (TFD). Senses chemical in the pump head, shuts off the pump and activates an NPN open collector output.
- 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%
 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)
 Approximate shipping wt: ...10 lb. (4.5 kg)

Voltage (max amp):115VAC/60Hz, 14 & 30 rpm = 1.37 amp
 45 & 60 rpm = 1.87 amp
 220VAC/50Hz, 14 & 30 rpm = 0.68 amp
 45 & 60 rpm = 1.14 amp

Power Cord Plug Type:.....115V60Hz = NEMA 5/15 (USA)
 220V50Hz = CEE 7/VI (EUROPE)

Materials of Construction:

Wetted components:

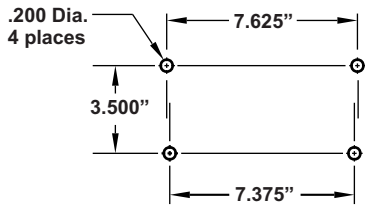
Pump Tube Assembly:Flex-A-Prene[®]
 PVDF tube assembly connection fittings
 Suction Tubing:Clear PVC
 Suction Strainer:Natural Polypropylene
 Discharge Tubing:Natural Polyethylene (LLDPE)
 Injection/Check valve:
 Body & insert:Polypropylene (optional PVDF)
 Check Ball:Ceramic
 Spring:Hastelloy C-276
 Ball Seat O-ring:TFE/P (optional EP)
 Static Seal O-ring:FKM (optional EP)

Non-Wetted components:

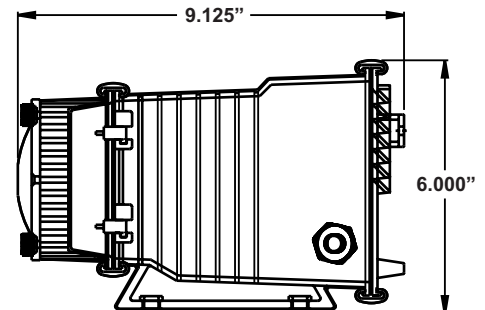
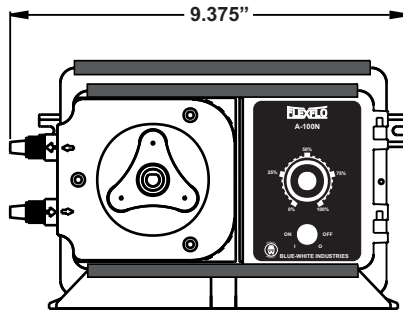
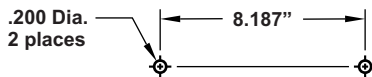
Pump Head & Enclosure:Valox[®] (PBT) thermoplastic
 Pump Head Cover:Clear Acrylic
 Cover Screws:300 Stainless, Polypropylene cap
 Roller Assembly:
 Rotor:Valox[®] (PBT)
 Rollers:Nylon
 Roller Bearings:Bronze
 Motor Shaft:Nickel plated steel
 TFD System Sensor pins:Hastelloy C-276
 Power Cord:3 conductor,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

Dimensions:

Base Mounting



Rear Panel Mounting



Model Number Matrix:

MODEL A1N A -

Maximum Motor RPM
0 = 14 RPM
1 = 30 RPM
2 = 45 RPM
3 = 60 RPM
Power Supply
0 = 115V60Hz, power cord NEMA 5/15 (US)
1 = 220V50Hz, power cord CEE 7/VI plug (EU)
Output Control
A = Analog timer, 60 sec. Cycle - 100% duty

Tubing Connection Type
T = Compression tube nuts
Pump Tube Size and Material
6 = 3/8" OD Flex-A-Prene [®] (100 PSI Max)*
7 = 7/16" OD Flex-A-Prene [®] (50 PSI Max)

Maximum Flow rate and pressure capacities:

Pump Output Range (5%-100%, 3 secs - 60 secs)				
Tube	14 RPM	30 RPM	45 RPM	60 RPM *
-6T (100 psi)	.35 - 6.8 gpd .9 - 18.4 ml/min	0.8 - 16 gpd 2.1 - 42.1 ml/min	1.2 - 24 gpd 3.2 - 63.1 ml/min	1.5 - 30.1 gpd 4.0 - 79.2 ml/min
-7T (50 psi)	1.25 - 25 gpd 3.3 - 57 ml/min	2.6 - 52.5 gpd 6.8 - 138 ml/min	3.9 - 76.1 gpd 10.3 - 200 ml/min	4.8 - 95.1 gpd 12.6 - 250 ml/min

* -6T tube Max Pressure at 60 rpm = 75 psi