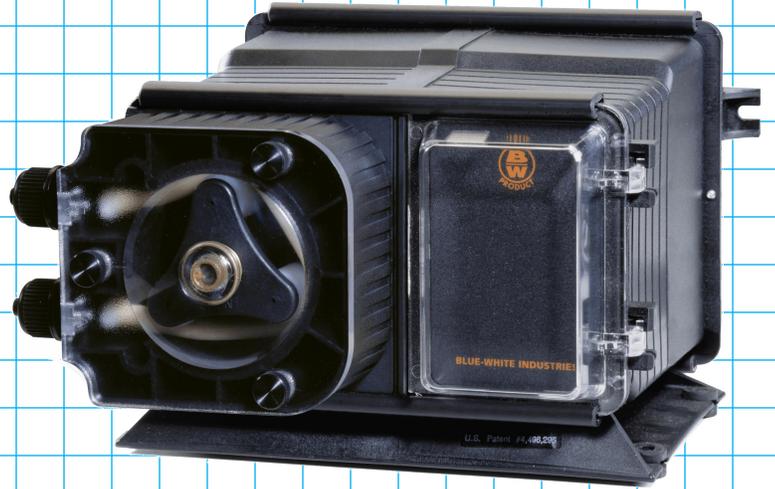


### A-100NX

**Fixed Speed**

**No Output Control**



#### 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 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.
- No Output control.
- Durable housing of chemical resistant Valox (PBT) thermoplastic.

#### Specifications:

Max. working pressure:	.....100 psig (6.9 bar)	Voltage (max amp):	.....115VAC/60Hz, 14 & 30 rpm = 1.37 amp
Max. fluid temperature:	.....130° F (54° C)		45 & 60 rpm = 1.87 amp
Max. ambient temperature:	...14° to 110° F/ -10° to 43° C		230VAC/60Hz, 14 & 30 rpm = 0.64 amp
Output adjustment range:	....Not adjustable		45 & 60 rpm = 0.74 amp
Duty cycle:	.....Continuous		220VAC/50Hz, 14 & 30 rpm = 0.68 amp
Maximum viscosity:	.....5,000 Centipoise		45 & 60 rpm = 1.14 amp
Maximum suction lift:	.....30 ft. Water 0 psig		240VAC/50Hz, 14 & 30 rpm = 0.66 amp
Maximum Solids:	.....50% by volume		45 & 60 rpm = 1.04 amp
Enclosure:	.....NEMA 3R, (IP23)	Power Cord Plug Type:	.....115V60Hz = NEMA 5/15 (USA)
Approximate shipping wt:	...10 lb. (4.5 kg)		230V60Hz = NEMA 6/15 (USA)
			220V50Hz = CEE 7/VII (EUROPE)
			240V50Hz = CEE 7/VII (U.K)

#### Materials of Construction:

##### Wetted components:

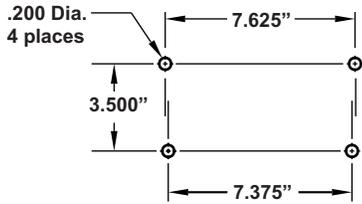
- Pump Tube Assembly:.....Flex-A-Prene<sup>®</sup>, Flex-A-Thane<sup>®</sup> or FKM tubing  
PVDF tube assembly connection fittings
- Suction Tubing:.....Clear PVC
- Suction Strainer:.....Natural Polypropylene
- Discharge Tubing:.....Natural Polyethylene (LLDPE)
- Injection/Check valve:
- Body & insert: .....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:

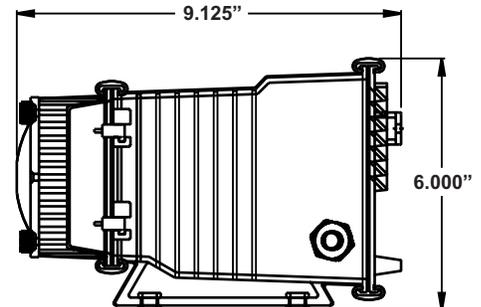
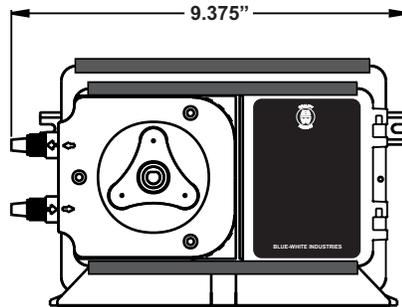
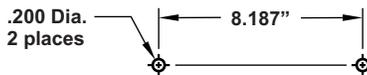
- Pump Head & Enclosure: .....Valox<sup>®</sup> (PBT) thermoplastic
- Pump Head Cover: .....Clear Acrylic
- Cover Screws: .....300 Stainless, Polypropylene cap
- Roller Assembly:
- Rotor: .....Valox<sup>®</sup> (PBT)
  - Rollers: .....Nylon
  - Roller Bearings: .....Bronze
- Motor Shaft: .....Nickel 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 [ ] [ ] X - [ ] - [ ]

#### 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/VI1 plug (EU)
- 2 = 230V60Hz, power cord NEMA 6/15 (US)
- 8 = 240V50Hz, power cord AS 3112 (ANZ)
- 9 = 230V50Hz, power cord BS 1363 (UK)

#### Output Control

- V = Digital speed control with external input
- F = Analog speed control
- E = Digital batch timer with external input
- A = Analog timer, 60 sec. Cycle - 100% duty
- C = Analog timer, 5 sec. Cycle - 100% duty
- S = Analog timer, 60 sec. Cycle - 10% duty
- X = No output control - fixed feed rate

#### Miscellaneous Options (not required)

- 1 = T140-6V injector replaces A-014N-6A
- 2 = C-340V footvalve replaces C-342-6 strainer
- 5 = A-014NK-6A injector PVDF
- 6 = Jumper set for digital square wave input
- T7 = 7 gallon chemical tank system
- T15 = 15 gallon chemical tank system
- T30 = 30 gallon chemical tank system
- X = NSF61 certified (ships without accessories)

#### Tubing Connection Type

- T = Compression tube nuts

#### Pump Tube Size and Material

- 1 = 1/4" OD Flex-A-Thane®
- 2 = 3/8" OD Flex-A-Thane®
- 3 = 7/16" OD Flex-A-Thane®
- 4 = 1/4" OD Flex-A-Prene®
- 5 = 5/16" OD FKM
- 6 = 3/8" OD Flex-A-Prene®
- 7 = 7/16" OD Flex-A-Prene®
- 8 = 7/16" OD Flex-A-Chem®

### Maximum Flow rate and pressure capacities:

Tube no.	Tubing Material	14 RPM MODELS				30 RPM MODELS				45 RPM MODELS				60 RPM MODELS			
		ml/m	oz/m	lph	gph PSI(bar)	ml/m	oz/m	lph	gph PSI(bar)	ml/m	oz/m	lph	gph PSI(bar)	ml/m	oz/m	lph	gph PSI(bar)
1	Flex-A-Thane®	15	0.51	0.90	0.24 65(4.5)	35	1.18	2.10	0.55 65(4.5)	54	1.83	3.24	0.86 65(4.5)	67	2.26	4.02	1.06 65(4.5)
2	Flex-A-Thane®	32	1.08	1.92	0.51 65(4.5)	75	2.54	4.50	1.19 65(4.5)	115	3.89	6.90	1.82 65(4.5)	140	4.73	8.40	2.22 65(4.5)
3	Flex-A-Thane®	73	2.47	4.37	1.16 50(3.5)	173	5.85	10.38	2.74 50(3.5)	261	8.82	15.66	4.14 50(3.5)	326	11.01	19.56	5.17 50(3.5)
4	Flex-A-Prene®	6	0.20	0.36	0.10 100(6.9)	13	0.44	0.78	0.21 100(6.9)	21	0.71	1.26	0.33 100(6.9)	25	0.85	1.50	0.40 75(5.2)
5	FKM	11	0.37	0.66	0.17 25(1.7)	26	0.88	1.56	0.41 25(1.7)	39	1.31	2.34	0.62 25(1.7)	48	1.62	2.88	0.76 25(1.7)
6	Flex-A-Prene®	18	0.61	1.08	0.29 100(6.9)	42	1.42	2.52	0.67 100(6.9)	63	2.13	3.78	1.00 100(6.9)	79	2.67	4.74	1.25 75(5.2)
7	Flex-A-Prene®	57	1.92	3.42	0.90 50(3.5)	138	4.66	8.28	2.19 50(3.5)	200	6.76	12.00	3.17 50(3.5)	250	8.45	15.00	3.96 50(3.5)
8	Flex-A-Chem®	40	1.35	2.40	0.63 50(3.5)	84	2.80	5.04	1.31 50(3.5)	140	4.73	8.40	2.22 50(3.5)	180	6.10	10.80	2.85 50(3.5)

Gallons shown are U.S. Gallons

### Replacement Pump Tubes:

Pump Model Number Suffix	Pump Tube Part Number	Pump Tube Material	Nominal Pump Tube OD
-1T	A1-1T	Flex-A-Thane®	1/4" (6,4mm)
-2T	A1-2T	Flex-A-Thane®	3/8" (9,5mm)
-3T	A1-3T	Flex-A-Thane®	7/16" (11,1mm)
-4T	A1-4T	Flex-A-Prene®	1/4" (6,4mm)
-5T	A1-5T	FKM	5/16" (7,9mm)
-6T	A1-6T	Flex-A-Prene®	3/8" (9,5mm)
-7T	A1-7T	Flex-A-Prene®	7/16" (11,1mm)
-8T	A1-8T	Flex-A-Chem®	7/16" (11,1mm)