

A-100NFP

Variable Speed

Dial Knob Control

Enhanced Tube Failure Detection

Oil and Water Based Polymers



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 65 PSI (4.5 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.
- Easy to use dial knob speed adjustment.
- Built-in Tube Failure Detection Plus 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:65 psig (4.5 bar)

Max. fluid temperature:130° F (54° C)

Max. ambient temperature:14° to 110° F/ -10° to 43° C

Output adjustment range:10-100% in 1% increments

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 (.513 amp max)

230VAC/60Hz, 1ph (.563 amp max)

220VAC/50Hz, 1ph (.660 amp max)

240VAC/50Hz, 1ph (.585 amp max)

Power Cord Plug Type:115V60Hz = NEMA 5/15 (USA)

230V60Hz = NEMA 6/15 (USA)

220V50Hz = CEE 7/VII (EUROPE)

240V50Hz = CEE 7/VII (EUROPE)

Approximate shipping wt: ...12 lb. (5.4 kg)

Materials of Construction:

Wetted components:

Pump Tube Assembly:Tygothane[®]

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

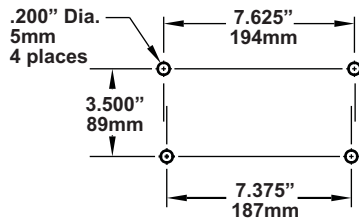
Motor Shaft:Nickel plated steel

TFD System Sensor pins:Hastelloy C-276

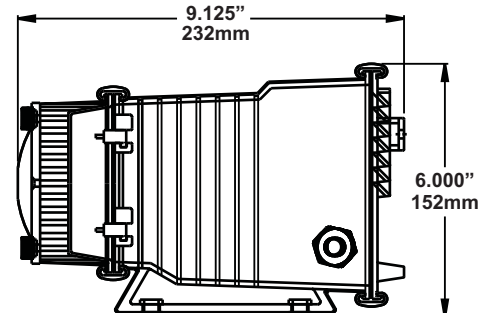
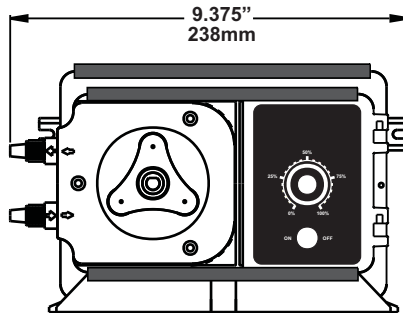
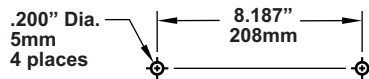
Power Cord:3 conductor, SJTW-A Water-resistant

Dimensions:

Base Mounting



Rear Panel Mounting



Model Number Matrix:

MODEL A1N F - - P

Maximum Motor RPM

0 = 14 RPM
1 = 30 RPM
2 = 45 RPM
3 = 60 RPM

Power Supply

0 = 115V60Hz
1 = 220V50Hz
2 = 230V60Hz
5 = 115V60Hz with junction box
6 = 220V50Hz with junction box
7 = 230V60Hz with junction box
8 = 240V50Hz

Output Control

V = Digital speed control with external input
F = Analog speed control

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
P = Polymer Pump equipped with TFD+

Tubing Connection Type

T = Compression tube nuts

Pump Tube Size and Material

1 = 1/4" OD Tygothane
2 = 3/8" OD Tygothane
3 = 7/16" OD Tygothane

Maximum Flow rate and pressure capacities:

Model Number	Feed Rate	RPM	Max PSI (BAR)	Pump Tube Part Number	Pump Tube Material	Nominal Pump Tube OD
A1N0*F-1T-P	0.8 - 15 ML/min	14	65 (4.5)	A1-1T	Tygothane	1/4" (6,4mm)
A1N1*F-1T-P	1.8 - 35 ML/min	30	65 (4.5)	A1-1T	Tygothane	1/4" (6,4mm)
A1N3*F-1T-P	6.7 - 67 ML/min	60	65 (4.5)	A1-1T	Tygothane	1/4" (6,4mm)
A1N3*F-2T-P	14.0 - 140 ML/min	60	65 (4.5)	A1-2T	Tygothane	3/8" (9,5mm)
A1N2*F-3T-P	26.1 - 261 ML/min	45	50 (3.5)	A1-3T	Tygothane	7/16" (11,1mm)
A1N3*F-3T-P	32.6 - 326 ML/min	60	50 (3.5)	A1-3T	Tygothane	7/16" (11,1mm)

Get a quote on Blue-White Pumps today:

Commercial Industrial Supply

1444 E. Main St., Rock Hill, SC 29730 USA

Tel: (866) 777-8001 Email: info@emailcis.com