# Blue-White<sup>®</sup> FLEXFLO<sup>®</sup> Peristaltic Metering Pumps



#### 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.
- Accepts 4-20mA, 0-10Vdc, and Pulse inputs for manual or external speed control.

#### **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:	
14 & 30 RPM with -1T, -2T tubes:	5-100% (20:1 turndown)
All other models:	10-100% (10:1 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)

#### 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:	EKM (optional ED)			

- 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 Plus 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.

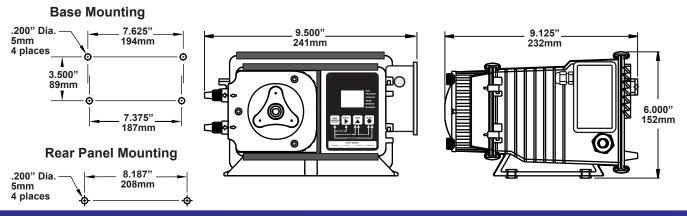
Voltage (amp draw):	115VAC/60Hz, 1ph (.350 amp max)		
	230VAC/60Hz, 1ph (.173 amp max)		
	220VAC/50Hz, 1ph (.175 amp max)		
	240VAC/50Hz, 1ph (.193 amp max)		
Power Cord Plug Type:	115V60Hz = NEMA 5/15 (USA)		
	230V60Hz = NEMA 6/15 (USA)		
	220V50Hz = CEE 7/VII (EUROPE)		
	240V50Hz = CEE 7/VII (EUROPE)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

#### **Non-Wetted components:**

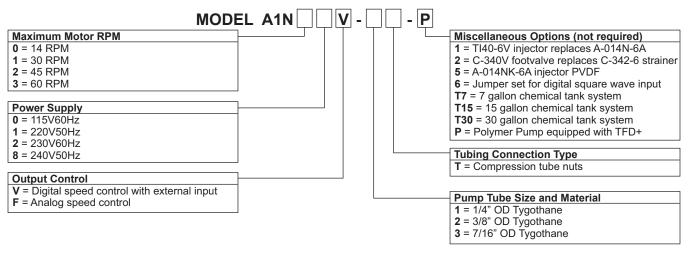
Pump Head & Enclosure: Pump Head Cover:	. , .	
•	300 Stainless, Polypropylene cap	
Roller Assembly:	····	
Rotor:	Valox <sup>®</sup> (PBT)	
Rollers:	Nylon	
Roller Bearings:	Bronze	
Motor Shaft:	Nickel plated steel	
TFD System Sensor pins:Hastelloy C-276		
Power Cord:	3 conductor, SJTW-A Water-resistant	

## **Blue-White**<sup>®</sup> FLEXFLO<sup>®</sup> Peristaltic Metering Pumps Industries, Ltd.

**Dimensions:** 



#### **Model Number Matrix:**



### **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*V-1T-P	0.8 - 15 ML/min	14	65 (4.5)	A1-1T	Tygothane	1/4" (6,4mm)
A1N1*V-1T-P	1.8 - 35 ML/min	30	65 (4.5)	A1-1T	Tygothane	1/4" (6,4mm)
A1N3*V-1T-P	6.7 - 67 ML/min	60	65 (4.5)	A1-1T	Tygothane	1/4" (6,4mm)
A1N3*V-2T-P	14.0 - 140 ML/min	60	65 (4.5)	A1-2T	Tygothane	3/8" (9,5mm)
A1N2*V-3T-P	26.1 - 261 ML/min	45	50 (3.5)	A1-3T	Tygothane	7/16" (11,1mm)
A1N3*V-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