Blue-White®

Engineering and Technical Data

A2A

FLEXFLO® Peristaltic Metering Pump



Features

> Self priming chemical metering pump delivers smooth chemical feed
> Tube Failure Detection (TFD) senses tube rupture
> Two CNC machined Nylon squeeze rollers and two alignment rollers for optimum squeeze, unparalleled accuracy, and tube life.

Video link:

NSF - 50 CCS-12485

NEMA 4X

Highlights

Flow range
.06 – 15.9 GPH
.21 – 60.2 LPH

Pressures
50 PSI
(3.4 bar)

Turndown ratio
100 : 1

Exclusive
Tube Failure Detection (TFD)

Motor
Brushed DC

Warranty
2 Years

Control Methods

Control Methods	Manual Control	Remote Start/Stop	Relay Output	FVS
A2A	•	•	•	•

For more help and information regarding **A2A**, please visit www.blue-white.com or scan this QR code.

Engineering Specifications

Max. working pressure:	**50 psig (3.4 bar) - (see individual tube requirements)**
Max. fluid temperature:	**130° F (54° C)**
Max. Ambient temperature:	**14 to 110° F/ -10 to 43° C**
Maximum viscosity:	**12,000 Centipoise**
Maximum suction lift:	**30 ft. Water at sea level (14.7 atm psi)**
Operating Voltage:	**115VAC/60Hz, 1ph (1.5 Amp Maximum)**
	230VAC/60Hz, 1ph (0.7 Amp Maximum)
	220VAC/50Hz, 1ph (1.0 Amp Maximum)
	240VAC/50Hz, 1ph (1.0 Amp Maximum)
Power Cord Options:	**115V60Hz = NEMA 5/15 (USA)**
	230V60Hz = NEMA 6/15 (USA)
	220V50Hz = CEE 7/VII (EU)
	240V50Hz = AS 3112 (Australia/New Zealand)
Motor:	**Brushed DC, 1/8 H.P.**
Duty cycle:	**Continuous**
Motor speed adjustment range 100:1	**1% – 100% motor speed (1.3 to 130 RPM)**
Motor speed adjustment resolution:	**0.1% increments**
Display:	**Backlit LCD, UV resistant**
Keypad:	**Eight button positive action tactile switch keypad**
Enclosure:	**NEMA 4X (IP66), Polyester powder coated aluminum.**
Maximum Overall Dimensions:	**7-1/2” W x 10-1/4” H x 14” D (19 W x 26 H x 35.6 D cm)**
Product weight:	**28.4lb. (12.9 Kg)**
Approximate shipping wt:	**35 lb. (15.9 Kg)**
RoHS Compliant:	**Yes**
Standards:	**NSF/ANSI 50, cETLus, CE**

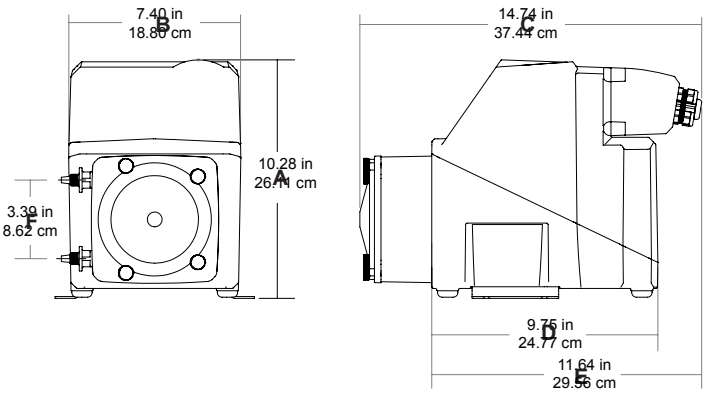
Output Specifications

Feed Rate			Max Pressure	Max Temperature	Tube
GPH	**LPH**	**mL/min**	**PSI (bar)**	**°F (°C)**	**Material / Size**
0.055 – 5.50	0.208 – 20.8	3.47 – 347	50 (3.4)	185 (85)	NEE
0.159 – 15.9	0.602 – 60.2	10.03 – 1003	40 (2.8)	185 (85)	NGG

Dimensions

Dim	Inch	cm
A	10-1/4”	26
B	7-1/2”	19
C	14”	35.6

Dim	Inch	cm
D	9-1/2”	24.1
E	11”	27.9
F	3-3/8”	8.6



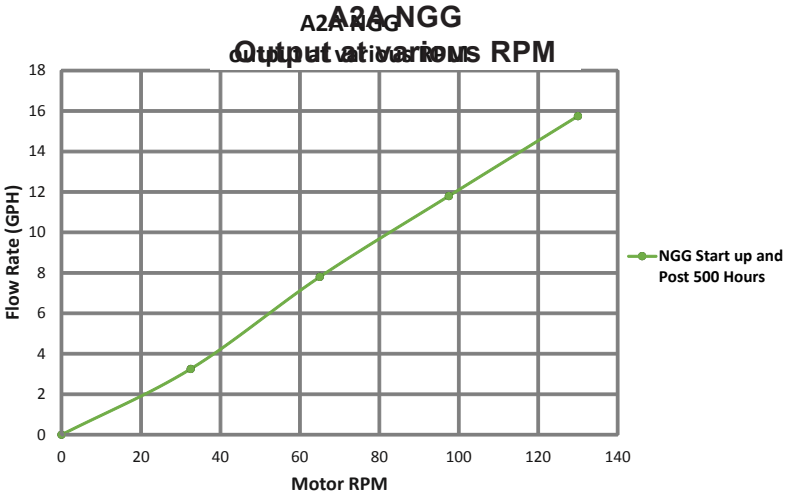
Materials of Construction

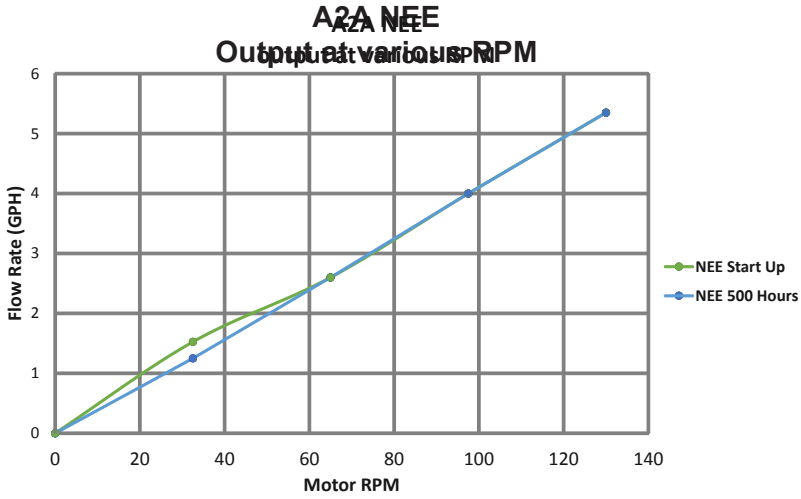
Non-wetted Components:
Enclosure: 413 Aluminum (Polyester powder coated)
Pump Head: Valox® (PBT) thermoplastic
Pump Head Cover:
Polycarbonate
Permanently lubricated sealed motor shaft support ball bearing.
Cover Screws: Stainless steel
Roller Assembly:
Rotor: Valox® (PBT)
Rollers: Nylon
Roller Bearings: SS Ball Bearings
Motor Shaft: Chrome plated steel
TFD System Sensor Pins: Hastelloy C-276
Power Cord: 3 Conductor, SJTW-A water-resistant
Tube Installation Tool: GF Nylon
Mounting Brackets and Hardware: 316 Stainless steel screws

Wetted Components:
Pump Head Assembly:
Tubing: Flex-A-Prene®
Adapter Fittings: PVDF
NOTE: This is model specific, and two are provided.
Injection/Back-Flow Check Valve:
Body & Insert: PVDF
Check Ball: Ceramic
Spring: Hastelloy C-276
Ball Seat O-Ring: FKM
Static Seal O-Ring: FKM
Ancillary Items Provided:
Suction Tubing: 3/8” OD x 1/4” ID x 10’ Clear PVC
Discharge Tubing: 3/8” OD x 1/4” ID x 10’ Polyethylene (LLDPE)
Suction Strainer: PVDF
Suction Strainer
Body: PVDF

Performance

FLEXFLO® A2A Metering Pump





Model Number Matrix

FLEXFLO® Model Number

A2A	FLEXFLO® Peristaltic Metering Pump

Power Cord

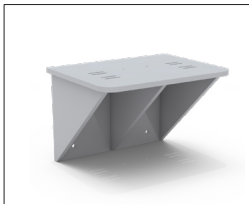
4	115V 50/60Hz, power cord NEMA 5/15 plug (US)
5	230V 50/60Hz, power cord NEMA 6/15 plug (US)
6	220V 50/60Hz, power cord CEE 7/V11 plug (EU)
8	240V 50/60Hz, power cord AS 3112 plug (Australia/New Zealand)
9	230V 50/60Hz, power cord BS 1363/A plug (UK)
X	No Power Cord

Pump Tube Material, Pump Tube Size, Operating Flow Range

NEE	Flex-A-Prene® .093 ID | 1.32–132 GPD | 50 PSI
NGG	Flex-A-Prene® .187 ID | 3.84–381.6 GPD | 40 PSI

A2A	**2**	**4**	**-**	**S**	**NEE**	**Sample Model Number**

Accessories



KIT-PSM
WALL MOUNT BRACKET, HDPE



TI40-6V
T.I. INJECTOR, 3/8” OD



C-340A
FOOT VALVE

Visit Accessory Pages for More Options

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ISO 9001:2015 CERTIFIED
SINCE Quality 1957
MADE IN THE USA

Model Number Matrix