

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: 



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	•	•	•	•



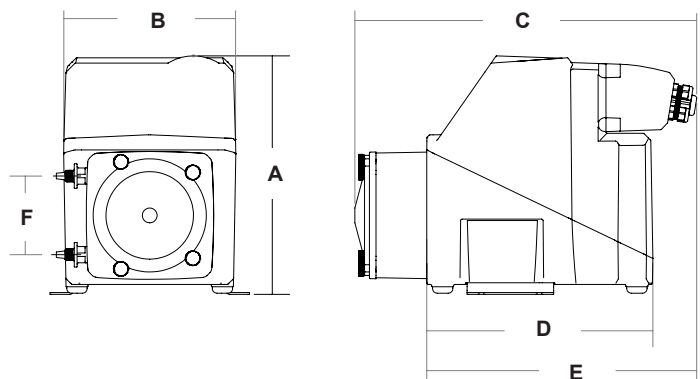
Max. working pressure:	50 psig (3.4 bar)
Max. fluid temperature:	130° F (54° C)
Max. Ambient temperature:	14 to 110° F/ -10 to 43° C
Maximum viscosity:	12,000 Centipoise
Maximum suction lift:	30 ft. Water at sea level (14.7 atm psi)
Operating Voltage:	115VAC/60Hz, 1ph (1.5 Amp Maximum)
	230VAC/60Hz, 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

GPH	Feed Rate		Max Pressure PSI (bar)	Max Temperature °F (°C)	Tube Material / Size
	LPH	mL/min			
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	Dim	Inch	cm
A	10-1/4"	26	D	9-1/2"	24.1
B	7-1/2"	19	E	11"	27.9
C	14"	35.6	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

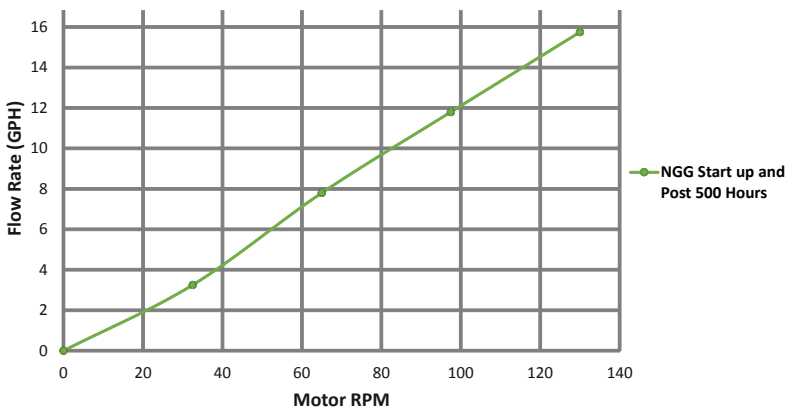
Check Ball: Ceramic

Ball Seat O-Ring: TFE/P

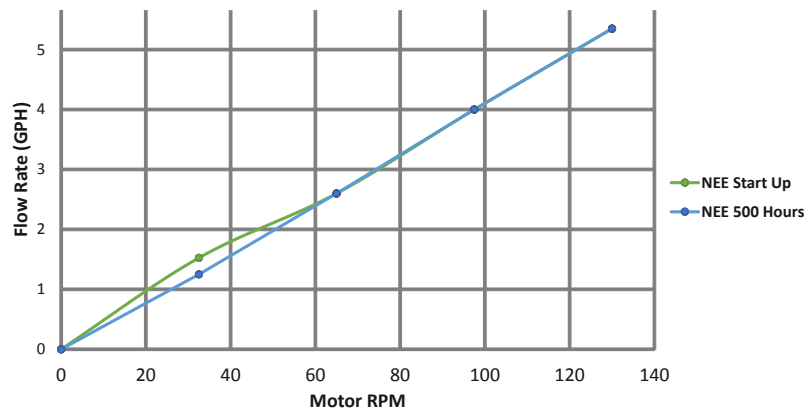
Performance

FLEXFLO® A2A Metering Pump

**A2A NGG
Output at various RPM**



**A2A NEE
Output at various RPM**



Model Number Matrix

FLEXFLO® Model Number

A2A	FLEXFLO® Peristaltic Metering Pump				
	Maximum Motor Speed				
	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