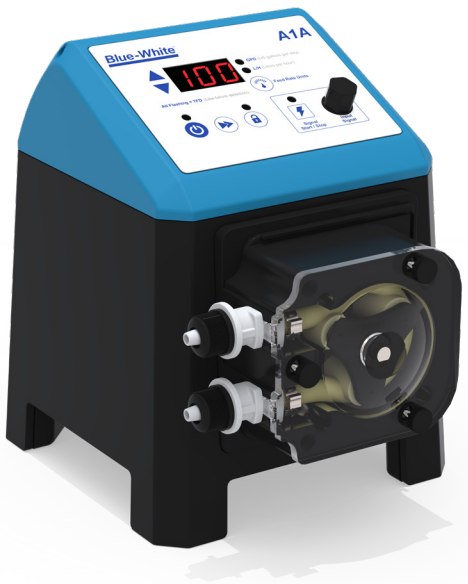
CALL TOLL FREE 877-742-2878 FOR SALES AND SUPPORT

Blue-White®

Engineering and Technical Data

A1A

FLEXFLO® Peristaltic Metering Pump



Video link:

Features

> Specially designed for pools, spas, and water parks
> Self priming peristaltic metering pump delivers smooth chemical feed
> Patented Tube Failure Detection (TFD) system senses tube failure
> Inputs include: Remote Start/Stop, one relay input

NSF NSF - 50 CCS-12485 · cETLus · CE · NEMA 4X

Highlights

Flow range
.01 - 100 GPD
.01 - 15.8 LPH

Pressures
40 PSI
(2.76 bar)

Turndown ratio
10,000 : 1

Exclusive
Tube Failure Detection (TFD)

Motor
Brushless DC Motor

Warranty
2 Years

Control Methods

Control Methods	Manual Control	Remote Start/Stop	Relay Input
A1A	•	•	•

For more help and information regarding **A1A**, please visit www.blue-white.com or scan this QR code.

Engineering Specifications

Maximum Working Pressure (excluding pump tubes)	40 psig (2.76 bar)
	NOTE: See individual pump tube assembly maximum pressure ratings.
Maximum Suction Lift	30 ft. of water at sea level (14.7 atm psi)
Ambient Operating Temperature	14 °F to 115 °F (-10 °C to 46 °C)
Ambient Storage Temperature	-40 °F to 158 °F (-40 °C to 70 °C)
Operating Voltage	115V 60Hz 1 PH (0.6A max.)
	220V 50Hz 1 PH (0.3A max.)
	230V 60Hz 1 PH (0.3A max.)
	230V 50Hz 1 PH (0.3A max.)
	240V 50Hz 1 PH (0.3A max.)
Power Cord Options	115V 50/60Hz = NEMA 5/15 (USA)
	230V 50/60Hz = NEMA 6/15 (USA)
	220V 50/60Hz = CEE 7/VII (EU)
	240V 50/60Hz = AS 3112 (Australia/New Zealand)
	230V 50/60Hz = 1363/A (United Kingdom)
Motor	Brushless DC, 50W
Duty Cycle	Continuous
Flow Range Adjustment	0.01 - 100 GPD (0.01 - 15.8 LPH)
Maximum Overall Dimensions	7.25” W x 9” H x 10” D (18.5 W x 22.9 H x 25.2 D cm)
Product Weight	6 lb. (2.7 Kg)
Approximate Shipping Weight	13 lb. (5.9 Kg)
Approximate Shipping Dimensions	10.5” W x 13.75” H x 11” D (26.7 W x 35 H x 28 D cm)
Enclosure	NEMA 4X (IP66), Valox (PBT) & PA12
RoHS Compliant	Yes
Standards	cETLus, CE, NSF50

Output Specifications

Tube Model	Feed Rate		Max. Speed	Max. Pressure	Max. Temperature
	GPD	LPH	RPM	PSI (bar)	°F (°C)
A1-7	0.01 - 100	0.01 - 15.8	65	40 (2.76)	185 (85)

Materials of Construction

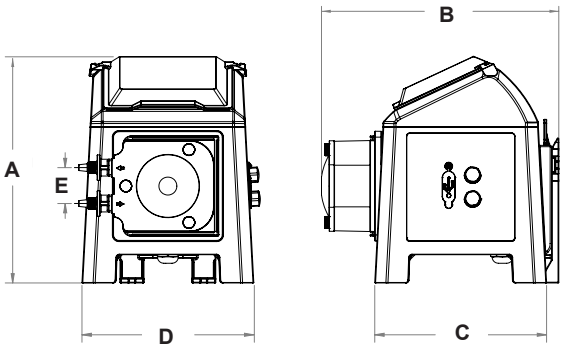
Non-wetted Components:	
Enclosure:	Valox® (PBT) & PA12 thermoplastic
Pump Head:	Valox® (PBT) thermoplastic
Pump Head Cover:	Polycarbonate
	Permanently lubricated sealed motor shaft support bronze sleeve bearing.
Cover Screws:	Stainless steel, polypropylene cap
Roller Assembly:	Rotor: Valox® (PBT)
	Rollers: Nylon
	Roller Bearings: Bronze
TFD System Sensor:	Hastelloy C-276
Power Cord:	3 Conductor, SJTW-A water-resistant
Mounting Brackets and Hardware:	316 Stainless steel screws, GF Nylon bracket

Wetted Components:	
Pump Head Assembly:	Tubing: Flex-A-Prene®
	Adapter Fittings: PVDF
Injection / Back-Flow Check Valve:	Body & Insert: Polypropylene
	Check Ball: Ceramic
	Spring: Hastelloy C-276
	Ball Seat O-Ring: TFE/P
	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: Polypropylene
	Weight: Ceramic

Dimensions

Dim	Inch	cm
A	9.46”	24.02
B	9.92”	25.19
C	7.18”	18.23

Dim	Inch	cm
D	7.18”	18.23
E	1.5”	3.81



Model Number Matrix

FLEXFLO® Model Number

A1A	FLEXFLO® Peristaltic Metering Pump

Power Cord

4	115V 50/60Hz, power cord NEMA 5/15 plug (US) (detachable - 3.9 ft)
6	220V 50/60Hz, power cord CEE 7/V11 plug (EU) (detachable - 6 ft)
X	No Power Cord (Power cord is required - See Accessories for power cord options)

Pump Tube Material, Pump Tube Size, Operating Flow Range

7T	Flex-A-Prene® .250 ID | .01–100 GPD | 40 PSI

A1A	**4**	**-**	**7T**	**Sample Model Number**

Accessories



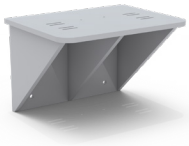
KIT-S07
STAR III 7 GALLON TANK, PP



KIT-S15
STAR III 15 GALLON TANK, PP



KIT-S30
STAR III 30 GALLON TANK, PP



KIT-PSM
WALL MOUNT BRACKET, HDPE



CABLE-M8
M8 CABLE - 4.9 ft.

90010-716 115V/60Hz NEMA 5/15
90010-664 220V/50Hz CEE 7/V11
90010-665 230V/50Hz BS 1363/A
90010-666 240V/50Hz AS 3112
90010-696 230V/60Hz NEMA 6/15
90010-821 115V Lockable

POWER CABLES



A1-7T
Spare Tube Element



TI40-6V
T.I. INJECTOR, 3/8" OD



A-014NK-6A
PVDF INJECTOR



C-340A
FOOT VALVE

Visit Accessory Pages for More Options

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