A2

FLEXFLO® Peristaltic Metering Pump

Features

> Self priming chemical metering pump delivers smooth chemical feed
> Tube Failure Detection (TFD) senses tube rupture
> Signal inputs include: 4-20mA, Pulse Inputs, Frequency Inputs
> Signal outputs include: Relay (3 amp) for TFD, 4-20mA (optional), Motor Active Contact Closure (optional), Motor Active Open Collector
> NEMA 4X Enclosure

NEMA 4X

Highlights

Flow range
.02 – 21.23 GPH
.07 – 80.4 LPH

Pressures
125 PSI
(8.6 bar)

Turndown ratio
100 : 1

Exclusive
Tube Failure Detection (TFD)

Motor
Brushed DC

Warranty
2 Years

Control Methods

Control Methods	Manual Speed Control	4-20mA Input	Frequency Input	Pulse Input	Remote Start/Stop	TFD/FVS Alarm Output	FVS Input	Motor Status Open Collector	4-20ma Output	Motor Active Contact Closure
A2V	•	•	•	•	•	•	•	•	Optional	Optional

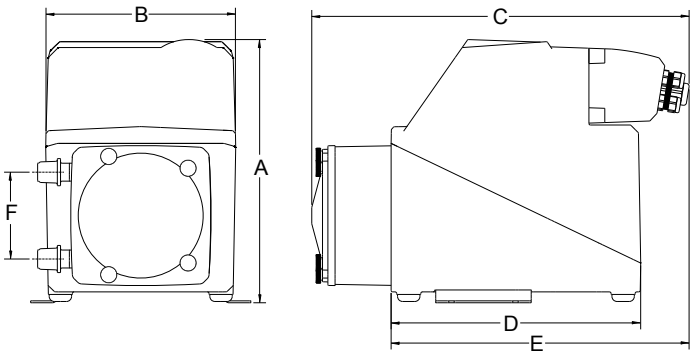
For more help and information regarding **A2**, please visit www.blue-white.com or scan this QR code.

Engineering Specifications

Maximum Working Pressure (Excluding Pump Tubes)	125 psig (8.6 bar)
	NOTE: See individual pump tube assembly maximum pressure ratings.
Maximum Fluid Temperature (Excluding Pump Tubes)	3/8” OD x 1/4” ID tubing connections: 130 °F (54 °C) M/NPT connections: 185 °F (85 °C)
	NOTE: See individual pump tube assembly max. temperature ratings.
Maximum Viscosity	12,000 Centipoise
Maximum Suction Lift	30 ft. Water at sea level (14.7 atm psi)
Maximum Operating Temperature	14 °F to 115 °F (-10 °C to 46 °C)
Maximum Storage Temperature	-40 °F to 158 °F (-40 °C to 70 °C)
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)
	230V50Hz = BS 1363/A (UK)
Motor	Brushed DC, 1/8 H.P.
Duty Cycle	Continuous
Motor Speed Adjustment Range	100:1 (1.0% - 100%) Max rpm = 130 rpm
Motor Speed Adjustment Resolution	0.1% increments
Display	Backlit LCD, UV resistant
Keypad	Eight button positive action tactile switch keypad
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	28.4 lb. (12.9 Kg)
Approximate Shipping Weight	35 lb. (15.9 Kg)
Enclosure	NEMA 4X (IP66), Polyester powder coated aluminum
RoHS Compliant	Yes
Standards	cETLus, CE

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



Note: Mounting brackets do not add height “A”. Optional “Extended” Mounting Brackets are available which add 4.5” to height. See Accessories.

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: Hastelloy C-276

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

Tube Installation Tool: GF Nylon

Mounting Brackets and Hardware: 304 Stainless steel / 18-8 SS

Wetted Components:

Pump Tube Assembly:

Tubing : Flex-A-Prene®, Flex-A-Chem® or Flex-A-Thane®

Adapter Fittings : PVDF

Injection/Back-Flow Check Valve ("S", "B", and "M" only):

Body & Insert: PVDF

Check Ball: Ceramic

Spring: Hastelloy C-276

Ball Seat O-Ring: TFE/P

Static Seal O-Ring: FKM

Ancillary Items Provided:

With "S" Tubing Type Only:

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

Suction Strainer: Polypropylene

With "B" Tubing and "M" M/NPT Connections Only:

Suction Strainer: PVDF

Ancillary Items Not Included (unless stated above):
Injection Fitting, Foot Valve/Strainer, Suction Tubing/Pipe, Discharge Tubing/Pipe, Quick Disconnect Valves, or Communications Wire/Cable.

Flex-A-Prene®, Flex-A-Thane®, and Flex-A-Chem® tubing comply with FDA 21 CFR, 117.2600 criteria for food processing.

Output Specifications

Tube Material/Size	Feed Rate			Max Speed	Max Pressure	Max Temperature	Roller Required
	GPH	LPH	mL/Min	RPM	PSI (bar)	°F (°C)	
Flex-A-Prene® Tube							
ND	.02 - 1.7	.07 - 6.5	1 - 108	125	125 (8.6)	185 (85)	A2-SND-R
NEE	.044 - 4.44	.168 - 16.8	2.80 - 280	125	110 (7.6)	185 (85)	A2-SNGG-R
NGG	.172 - 17.2	.651 - 65.1	10.85 - 1085	125	110 (7.6)	185 (85)	A2-SNGG-R
Flex-A-Chem® Tube							
TH	.14 - 14.3	.54 - 54	9.0 - 900	125	50 (3.4)	130 (54)	A2-STH-R
Flex-A-Thane® Tube							
GE	.04 - 4.0	15 - 15.2	3 - 253	125	65 (4.5)	130 (54)	A2-SGE-R
GG	.09 - 9.3	.35 - 35.2	6 - 587	125	65 (4.5)	130 (54)	A2-SGE-R
G2G	.15 - 14.9	.567 - 56.7	9.45 - 945	125	65 (4.5)	130 (54)	A2-SGE-R
GH	.21 - 21.23	.80 - 80.4	13.4 - 1340	125	65 (4.5)	130 (54)	A2-SGE-R

Model Number Matrix

FLEXFLO® Model Number

A2	FLEXFLO® Peristaltic Metering Pump

Series Control Options

V	Multiple automatic input control and alarm modes (remote control)

Power Cord (operating voltage requirement 96VAC to 264VAC)

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

Inlet/Outlet Connection Size, Connection Type, Connection Material

S	3/8” OD x 1/4” ID Tube Compression Fitting, Natural PVDF (Kynar)
M	1/2” Male NPT Fitting, Natural PVDF (Kynar)
B	1/2” ID Tubing Barb Fitting, Natural PVDF (Kynar), available for ND, NEE, NGG, and G2G only
C	1/2”–3/4” Tri-clamp connections, Natural PVDF (Kynar), available for ND, NEE, NGG, and G2G only
Q	Quick Disconnect, Natural PVDF (Kynar), available for ND, NEE, NGG, and G2G only (valves sold separately)
MB	1/2” Male BSPT Fitting, Natural PVDF (Kynar)

Pump Tube Material, Pump Tube Size *dual tube

ND	Flex-A-Prene® .075 ID | .02–1.7 GPH | 125 PSI	**GE**	Flex-A-Thane® .125 ID | .04–4.0 GPH | 65 PSI
NEE*	Flex-A-Prene® .093 ID | .044–4.44 GPH | 110 PSI	**GG**	Flex-A-Thane® .187 ID | .09–9.3 GPH | 65 PSI
NGG*	Flex-A-Prene® .187 ID | .172–17.2 GPH | 110 PSI	**G2G***	Flex-A-Thane® .312 ID | .15–14.98 GPH | 65 PSI
TH	Flex-A-Chem® .250 ID | .14–14.3 GPH | 50 PSI	**GH**	Flex-A-Thane® .312 ID | .21–21.23 GPH | 65 PSI

Output Option

(Blank)	Standard
3	4-20 mA Analog Output / Motor Active Contact Closure Output

Pumphead Orientation

(Blank)	Standard - Left facing pumphead
R	Right facing pumphead
D	Down facing pumphead

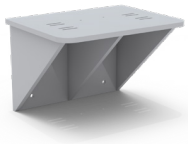
A2	**V**	**2**	**4**	**-**	**S**	**ND**	**-**				**Sample Model Number**

Accessories

1/4” x 3/8” “S” Fitting
1/2” Hose Barb “B” Fitting
1/2” MNPT “M” Fitting

Quick Disconnects

*KIT-QSV FKM O-rings	*KIT-QBV FKM	*KIT-QMV FKM
*KIT-QSE EP O-rings	*KIT-QBE EP	*KIT-QME EP
*KIT-QSA Aflas O-rings	*KIT-QBA Aflas	*KIT-QMA Aflas



KIT-PSM
Wall Mount Bracket, HDPE

72000-380
Extended Brackets, 4.5”, 304SS

TI40-6V
T.I. INJECTOR, 3/8” OD

C-340A
FOOT VALVE

A2-(see spare parts page)
Spare Tube Element

Visit Accessory Pages for More Options

5300 Business Drive, Huntington Beach, CA 92649
TEL 714-893-8529 | FAX 714-894-9492 | www.blue-white.com | sales@blue-white.com

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