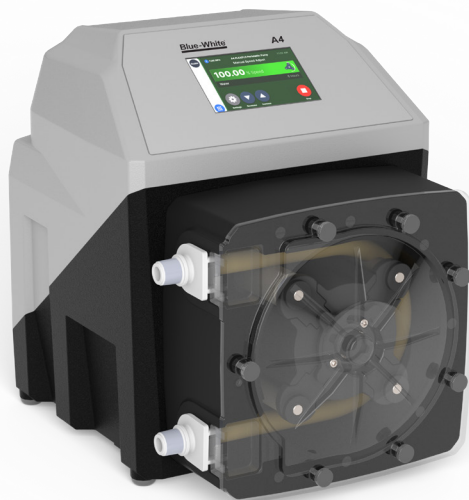


A4

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: 4-20mA Output, Frequency Output, one 250V/6 AMP relay output, three 115V/1A

Video link: 



NEMA 4X

Highlights

Flow range

.01 – 158 GPH
.04 – 600 LPH

Pressures

125 PSI
(8.6 bar)

Turndown ratio

2,500 : 1

Exclusive

Tube Failure Detection
(TFD)

Motor

Brushless
DC Motor

Warranty

2 Years

Control Methods

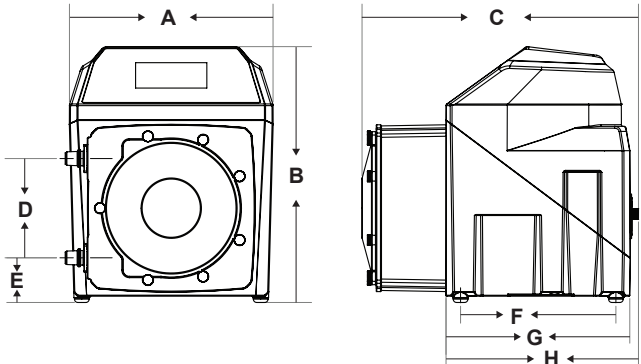
Control Methods	Manual Control	4-20mA Input	Remote Start/Stop	Pulse Input	Frequency Input	Ethernet/IP	Modbus TCP/IP	Profibus	Alarm Outputs	FVS	Relay Output
A4V	•	•	•	•	•	•	•	•	•	•	•



Maximum Working Pressure	125 psig (8.6 bar) Note: see individual pump tube assembly maximum pressure ratings.
Maximum Fluid Temperature	Hose Barb and Tri-Clamp connections: 185 °F (85 °C) M/NPT connections: 185 °F (85 °C) Note: see individual pump tube assembly max temperature ratings.
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)
Maximum Viscosity	12,000 Centipoise
Maximum Suction Lift	30 ft. Water at sea level (14.7 atm psi)
Operating Voltage	115VAC/60Hz, 1ph (3.1 Amp Maximum) 230VAC/60Hz, 1ph (1.6 Amp Maximum) 220VAC/50Hz, 1ph (1.6 Amp Maximum) 240VAC/50Hz, 1ph (1.5 Amp Maximum) 230VAC/50Hz, 1ph (1.5 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	Brushless DC, 1/4 HP
Motor Speed Adjustment Range	2,500:1 (0.04% – 100%) Max rpm = 125 rpm
Motor Speed Adjustment Resolution	0.1% increments > 1% motor speed and < 100% 0.01% increments < 1% motor speed
Display	5" touchscreen color LCD, UV resistant
Display Languages	English, Spanish, French, German, and Portuguese selectable
Security	Programmable 6-digit password
Maximum Overall Dimensions	12-1/8"W x 15-1/4"H x 16-1/2"D (30.8W x 38.8H x 41.9D cm)
Product Weight	45.5 lb. (20.64 Kg)
Approximate Shipping Weight	50 lb. (22.68 Kg)
Enclosure	NEMA 4X (IP66), Polyester powder coated aluminum & Noryl
RoHS Compliant	Yes
Standards	cETLus, CE

Dimensions

Dim	Inch	cm	Dim	Inch	cm
A	12.1"	30.8	E	2.7"	6.8
B	15.3"	38.8	F	9.3"	23.5
C	16.5"	41.9	G	11.0"	27.8
D	5.9"	15.0	H	11.5"	29.2



Non-wetted Components:		Wetted Components:	
Pump Head: Valox® (PBT) thermoplastic		Pump Tube Assembly:	Tubing: Flex-A-Prene®, Flex-A-Chem or Flex-A-Thane®
Pump Head Cover: Polycarbonate			Adapter Fittings: PVDF
Permanently lubricated sealed motor shaft support ball bearing.		Injection / Back-Flow Check Valve (With “B” Tubing and “M” M/NPT Connections Only):	Body & Insert: PVDF
Cover Screws: Stainless steel			Check Ball: Ceramic
Roller Assembly:			Spring: Hastelloy C-276
Rotor: Valox® (PBT)			Ball Seat O-Ring: TFE/P (optional EPDM)
Rollers: Nylon			Static Seal O-Ring: TFE/P (optional EPDM)
Roller Bearings: SS Ball Bearings		Ancillary Items Provided:	
Motor Shaft: Chrome plated steel		With “B” Tubing and “M” M/NPT Connections Only:	Suction Strainer:
TFD System Sensor: Hastelloy C-276			Body/Connector: PVDF
Power Cord: 3 conductor, SJTW-A water-resistant			Ball Seat O-Ring: TFE/P (Optional EP)
Tube Installation Tool: GF Nylon			
Mounting Brackets and Hardware: 316 Stainless steel		** 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 Pressure	Max Temperature
	GPH	LPH	mL/Min	PSI (bar)	°F (°C)
Flex-A-Thane®					
GH	.01 - 39.6	.06 - 150	1.0 - 2500	65 (4.5)	130 (54)
GHH	.03 - 71	.11 - 269	1.9 - 4480	65 (4.5)	130 (54)
GK	.02 - 55.5	.09 - 210	1.4 - 3500	65 (4.5)	130 (54)
GKK	.04 - 100	.20 - 378	2.5 - 6300	65 (4.5)	130 (54)
Flex-A-Prene®					
NH	.01 - 28.5	.04 - 108	0.7 - 1800	125 (8.6)	185 (85)
NHL	.02 - 28.5	.07 - 108	1.2 - 1800	65 (4.5)	185 (85)
NK	.02 - 50.7	.08 - 192	1.3 - 3200	80 (5.5)	185 (85)
NHH	.02 - 54.0	.09 - 204	1.4 - 3400	100 (6.9)	185 (85)
NHHL	.02 - 54.0	.09 - 204	1.4 - 3400	65 (4.5)	185 (85)
NL	.04 - 100.0	.15 - 378	2.5 - 6300	50 (3.4)	185 (85)
NP	.06 - 158.5	.24 - 600	4.0 - 10000	30 (2.1)	185 (85)
Flex-A-Chem®					
TH	.01 - 25.4	.04 - 96.0	0.6 - 1600	30 (2.1)	130 (54)
TK	.02 - 54.0	.08 - 204	1.4 - 3400	30 (2.1)	130 (54)
TKK	.05 - 126	.18 - 477	32 - 7950	30 (2.1)	130 (54)

Model Number Matrix

A4

FLEXFLO® Model Number

A4 FLEXFLO® A4 Peristaltic Metering Pump									
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									
M		1/2" Male NPT Fitting, Natural PVDF (Kynar)							
B		1/2" ID Tubing Barb Fitting, Natural PVDF (Kynar)							
C		1/2" - 3/4" Tri-clamp connections, Natural PVDF (Kynar)							
Q		Quick Disconnect, Natural PVDF (Kynar), NP flow rate reduced 16.5% with Quick Disconnect connections (Valves sold separately)							
MB		1/2" Male BSPT Fitting, Natural PVDF (Kynar)							
Pump Tube Material, Pump Tube Size									
NH		Flex-A-Prene® .250 ID .01–28.5 GPH 125 PSI				GH		Flex-A-Thane® .312 ID .01–39.6 GPH 65 PSI	
NHH*		Flex-A-Prene® .250 ID .02–54.0 GPH 100 PSI				GHH*		Flex-A-Thane® .312 ID .03–71 GPH 65 PSI	
NHHL*		Flex-A-Prene® .250 ID .02–54.0 GPH 65 PSI				GK		Flex-A-Thane® .375 ID .02–55.5 GPH 65 PSI	
NHL		Flex-A-Prene® .250 ID .01–28.5 GPH 65 PSI				GKK*		Flex-A-Thane® .375 ID .04–100 GPH 65 PSI	
NK		Flex-A-Prene® .375 ID .02–50.7 GPH 80 PSI				TH		Flex-A-Chem® .250 ID .01–25.4 GPH 30 PSI	
NL		Flex-A-Prene® .500 ID .04–100.0 GPH 50 PSI				TK		Flex-A-Chem® .375 ID .02–54.0 GPH 30 PSI	
NP		Flex-A-Prene® .750 ID .06–158.5 GPH 30 PSI				TKK*		Flex-A-Chem® .375 ID .05–126 GPH 30 PSI	
Options (leave this blank for standard model with left facing head)									
1		TI40-6V Threadless injection check valve, replaces A-014NK-6A threaded check valve							
2		C340A Foot valve, replaces standard C-342 inlet strainer (no check valve)							
E		EP O-Rings							
R		Right facing pump head, input / output							
D		Down facing pump head, input / output							
A4	S	V	2	4	-	M	NH	1	Sample Model Number

Accessories

NOTE: * = Dual tube

