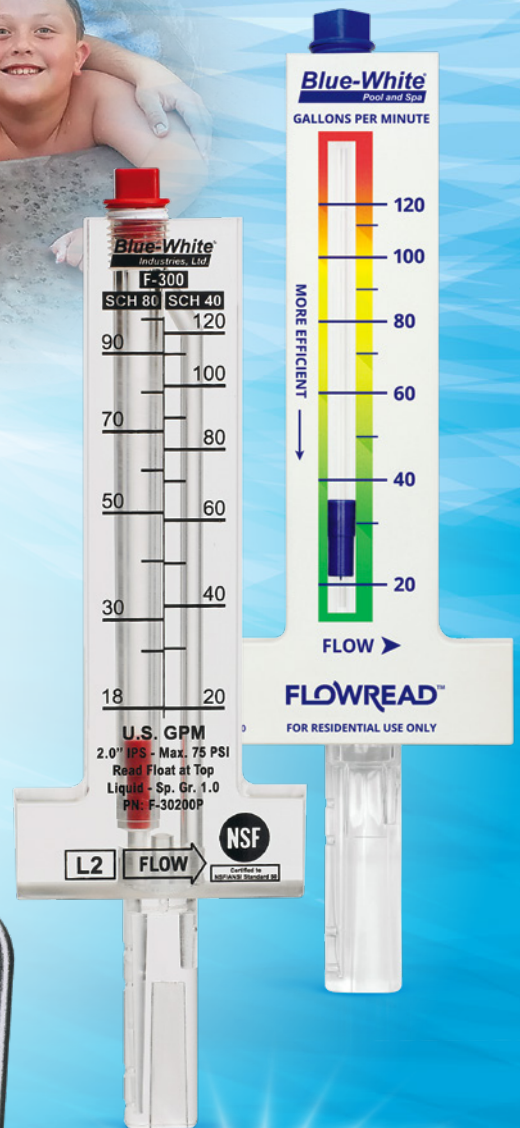


Blue-White[®]

THE Right Choice FOR POOLS, SPAS
& WATERPARKS



**— POOL INDUSTRY —
PROFESSIONALS
HAVE RELIED ON BLUE-WHITE[®]
CHLORINATORS AND FLOWMETERS
— FOR MORE THAN —
60 YEARS!**

www.blue-white.com

F-300 SERIES Flowmeter

The Industry Favorite
& Best in The Business!

Quick, Accurate Flow Measurement

Blue-White® has re-engineered the classic F-300 Series Flowmeter to make it even more accurate, reduce space requirements for installation, and to provide enhanced features without changing the iconic look of this Industry favorite – including the Red Cap!

F-300 BENEFITS

- Determine Circulation System flow rate in seconds.
- Red PVDF Cap material doesn't fade or crack!
- Dual Scale & Easy Reading – now reads SCH 80 & SCH 40 in permanent bold black print on both sides of the meter body.
- Red PVDF Float is "Non-stick", chemical resistant, and easy to read.
- One piece machined acrylic meter body.
- Excellent Accuracy: +/-5% for 1"-2"; +/-10% for 2.5"-8".
- Installs quickly!

F-300 SPECIFICATIONS

Max. Working Pressure..... 75 psig (5.17 bar) @ 70°F (21°C)
 Max. Fluid Temperature 190°F (88°C) @ 0 psig
 Pipe Clamp Material 316 Stainless Steel
 Meter Body Material Acrylic
 Gasket Material Neoprene
 Float Material PVDF
 Cap Material PVDF
 Connection Type..... Saddle
 Approx. Shipping Weight..... 1" to 4" Pipe: 1 lbs. (.454 kg.)
 6" to 8" Pipe: 2 lbs. (.907 kg.)

F-300 ORDERING

HORIZONTAL INSTALLATION

Pipe Size	Model Number	U.S. IPS Pipe (ASTM D-1785) Flow Range		COPPER TUBE Types K&L Flow Range	
		SCH 40 GPM	SCH 80 GPM	GPM	LPM
1"	F-30100(*)	5–35	4–26	4–26	15–100
1.25"	F-30125P	9–50	8–40	—	—
1.5"	F-30150(*)	10–70	10–60	10–65	50–250
2"	F-30200(*)	20–120	18–100	30–105	75–400
2.5"	F-30250P	29–150	25–130	—	—
3"	F-30300P	45–240	40–215	—	—
4"	F-30400P	75–420	70–400	—	—
6"	F-30600P	170–1100	160–1000	—	—
8"	F-30800P	300–2200	275–1950	—	—

VERTICAL INSTALLATION

1.5"	U-30150(*)	20–100	75–375
1.5"	D-30150(*)	9–30	30–120
2"	U-30200(*)	40–150	150–550
2"	D-30200(*)	18–70	70–280

Model Variations:

Replace (*) with P = PVC Pipe
 Replace (*) with T = Copper Tube

Note: If used on SCHEDULE 80 PVC pipe will read 12% higher than actual (OLD STYLE ONLY).

Note: New style vertical pipe units do not have the need for the suffix "R" denoting "reduced rate".

Note: Old style vertical pipe copper units are not yet revised and do need a suffix "R" denoting "reduced rate".

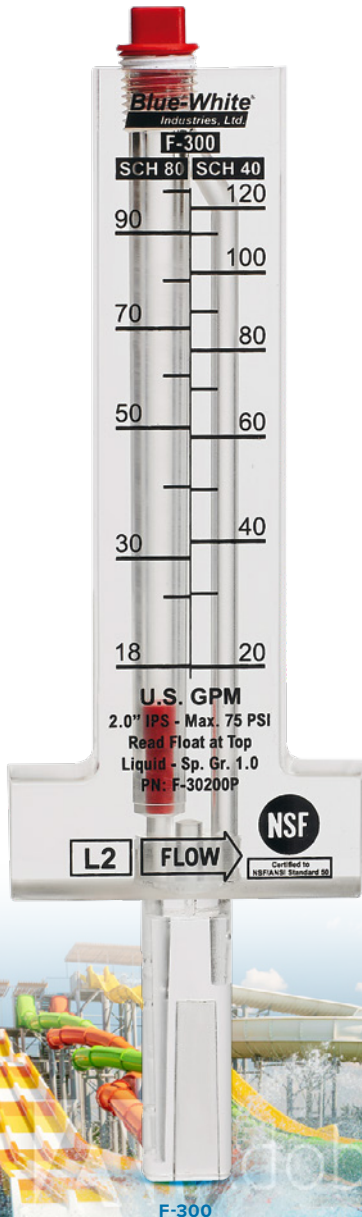
**THE MOST
NSF⁵⁰ LISTED
FLOWMETERS.**

Shorter Pipe Length Requirements

(Min. Inlet Pipe / Min. Outlet Pipe)

FOR ± 10% ACCURACY:
 5X Pipe I.D. / 2X Pipe I.D.

FOR ± 5% ACCURACY:
 10X Pipe I.D. / 4X Pipe I.D.



F-300S & F-300SL Flow Switch

Consider Installing
a Flow Switch with
your Flowmeter

Certain your recirculation pump is working properly?
 Is your filter clogged?

The F-300S
 (1"-2" pipe size)
& F-300SL
 (2.5"-4" pipe size)
 take out the
 guess work.

F-300S FLOW SWITCH

OPTIONAL FLOW SWITCH IS DESIGNED TO DETECT FLOW / NO FLOW.

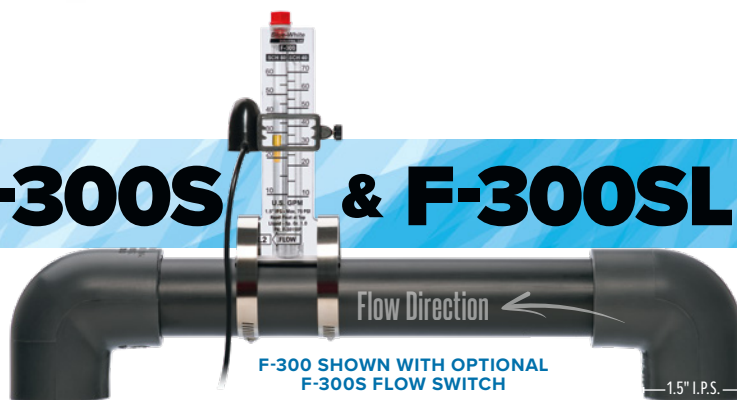
When the New F-300 Flowmeters' Red PVDF float enters the Alarm Trigger Zone of the F-300S & F-300SL Sensor, the built-in dry contact switch closes – providing a trigger to external devices.

IT'S A SWITCH, OR A SENSOR, OR BOTH!

Set up as a FLOW SWITCH: The F-300S detects if the flow rate is at the desired level.

Set up as a FLOW SENSOR: The F-300S detects whether the water is flowing through the pipe, or if there is a 'no flow' environment.

Set up as a FLOW SWITCH & SENSOR: Two F-300S Switches can be placed onto one meter to enable both features!





F-1000

F-1000: Accurate & Dependable Flow Measurement

For vertical or horizontal installation. Easy to install, easy to operate. An excellent choice for water parks & water features. Blue-White's carefully engineered BW DIGI-METER® F-1000 Series is a **Battery Operated Pipe Mount Display** which includes premier features and provides outstanding performance.

F-1000 BENEFITS

- Factory programmed to your specifications – nothing to program.
- Battery powered with 2 AAA batteries included.
- Easy to read 6 digit LCD display with up to 4 decimal positions.
- Tamper proof.
- Weather resistant ABS enclosure. NEMA 4X.
- Three model variations:
RB = RATE ONLY, TB = TOTAL ONLY, RT = RATE & TOTALIZER



F-2000

F-2000: Monitor Flow Accurately

The BW DIGI-METER® F-2000 is an **AC or Battery Operated Remote Mount Display** which combines innovative features and benefits, and the finest materials of construction to provide an accurate and versatile Digital Flowmeter.

F-2000 BENEFITS

- Easy to read 8 digit LCD, up to 4 decimal positions.
- Flow rate and total flow display.
- 4 AA Batteries included. AC/DC transformer available.
- Field programmable via front panel touch pad.
- Front panel security lockout.
- Total reset function can be disabled.
- Weather resistant ABS enclosure. Note: LCD is not recommended for direct sunlight applications.
- Optional 4-20mA or 0-10VDC Output
- Optional Pipe/wall mounting kit available.
- Sensor mounting option available.

F-1000 & F-2000 SPECIFICATIONS

Max. Working Pressure..... Saddle: 300 psig (20 bar) @ 70°F (21°C)
TEE: 200 psig (13.8 bar) @ 70°F (21°C)
Max. Fluid Temperature PVDF Saddle: 200°F (93°C) @ 0 psi
PVC Saddle and TEE: 140°F (60°C) @ 0 psi
Note: Temperature rating of F-1000 only. Actual pipe rating may vary.
Full Scale Accuracy..... F-1000: ± 2%, F-2000: ± 1%
Saddle Material PVDF (1-1/2", 2", 3" sizes), PVC (all other sizes)
Sensor/Paddle/Axle Material.. PVDF
O-ring Seals..... FKM (Optional EP)
Max. Pressure Drop 0 psi (no significant pressure drop)
Approx. Shipping Weight..... F-1000: 2 lbs. (.91 kg), F-2000: 4 lbs. (1.8 kg)

F-1000 & F-2000 ORDERING SOLVENT WELD PVC TEE

Pipe Size IPS	Flow Range GPM	MODEL NUMBER		
		F-1000 (Rate Only)	F-2000 (Battery Operated)	F-2000 (AC 115V)
1"	6–60	RB-100AT-GPM1	RTPB10ATGM1	RTP110ATGM1
1.5"	15–150	RB-150AT-GPM1	RTPB15ATGM1	RTP115ATGM1
2"	30–300	RB-200AT-GPM1	RTPB20ATGM1	RTP120ATGM1
3"	60–600	RB-300AT-GPM1	RTPB30ATGM1	RTP130ATGM1

SADDLE MOUNT / U.S. IPS PIPE (ASTM 1785)

1.5"	15–150	RB-150S(*)-GPM1	RTPB15K(*)GM1	RTP115K(*)GM1
2"	30–300	RB-200S(*)-GPM1	RTPB20K(*)GM1	RTP120K(*)GM1
2.5"	40–400	RB-250S(*)-GPM1	RTPB25A(*)GM1	RTP125A(*)GM1
3"	60–600	RB-300S(*)-GPM1	RTPB30K(*)GM1	RTP130K(*)GM1
4"	100–1000	RB-400S(*)-GPM1	RTPB40A(*)GM1	RTP140A(*)GM1
6"	250–2500	RB-600S(*)-GPM1	RTPB60A(*)GM1	RTP160A(*)GM1
8"	400–4000	RB-800S(*)-GPM1	RTPB80A(*)GM1	RTP180A(*)GM1
10"	600–6000	RB-1000S(*)-GPM1	RTPB100A(*)GM1	RTP1100A(*)GM1
12"	800–8000	RB-1200S(*)-GPM1	RTPB120A(*)GM1	RTP1120A(*)GM1

Model Variations: Replace (*) with: 4 = Schedule 40 pipe, 8 = Schedule 80 pipe

FLEXFLO® A1A Acid and Liquid Chlorine Feeder



FLEXFLO® A1A

FLEXFLO® A1A ORDERING

Model Number A2A Pump Only	Star III System	GPD (LPH)	MAX PSI (bar)
A1A(**)-7T	A1A(**)-7T(*)	0.01-100 (0.01-15.8)	40 (2.76 bar)

Model Variations: Replace (*) with: 5 = A-014NK-6A injector PVDF, 7 = 7 Gal Tank, 15 = 15 Gal Tank, 30 = 30 Gal Tank

Replace (**) with:

- 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 (United Kingdom)
- X = No Power Cord



Specifically Designed for Commercial Aquatics and Water Parks

The A1A enables users who require higher chemical feed requirements for sanitizing (sodium hypochlorite) and pH adjustment (acid) to move away from diaphragm technology and the inherent challenges experienced with these chemicals to adapt to peristaltic technology for less service, more trouble free and reliable chem feed solution.

The FLEXFLO® A1A Chemical Feeder does it all with just one tube, one control system, and one power supply to stock and order.

FLEXFLO® A1A BENEFITS

- Peristaltic pump design does not have valves that can clog requiring maintenance.
- Self priming - even against maximum line pressure. Bypass valves are not required. Cannot vapor lock or lose prime.
- Output rates from .01 to 100 GPD (.01 to 15.8 LPH) and pressures up to 40 PSI (2.76 Bar).
- Variable speed brushless DC motor.
- Patented Tube Failure Detection (TFD) system. Senses tube failure by detecting chemical in the pump head, shuts off the pump and activates a 48VDC @ 80mA relay. No false triggering.
- Remote Start/Stop: Non-powered dry contact closure for remote start/stop.
- Three Nylon molded squeeze rollers for optimum squeeze, unparalleled accuracy, and long tube life.
- Heavy duty rotor - single piece plastic rotor means no flexing and increased accuracy with no metal springs or hinges to corrode.
- Chemically resistant tubing capable of pumping bleach (sodium hypochlorite), calcium hypochlorite 20%, and muriatic acid (hydrochloric acid).

FLEXFLO® STAR III System

FLEXFLO® STAR III® BENEFITS

- The Star III® is equipped with the FLEXFLO® A1A or A1F and tank size of your choice: 7 gallon, 15 gallon, or 30 gallon.
- The polyethylene tank has extra heavy wall thickness for stability and chemical resistance.
- Ships with all necessary accessories.
- U.V. inhibitor for sunlight protection.
- The tank lid can be placed in the open, closed, or vented position.
- Convenient rectangular shape is raised off floor for easy wash down.

FLEXFLO® A2A Acid and Liquid Chlorine Feeder



High Volume Feeder Designed for Commercial Aquatics and Water Parks

Continuous and precise chemical feed for sanitizing (sodium hypochlorite) and pH adjustment (acid) without loss of prime.

FLEXFLO® A2A BENEFITS

- Peristaltic pump design does not have valves that can clog requiring maintenance.
- Self priming - even against maximum line pressure. Bypass valves are not required. Cannot vapor lock or lose prime.
- Output rates to: 15.9 GPH (60.2 LPH) and pressures up to 50 PSI (3.4 Bar).
- Variable speed brushed DC motor.
- Patented Tube Failure Detection (TFD) system. Senses tube failure by detecting chemical in the pump head. No false triggering.
- Remote Start/Stop: Non-powered dry contact closure for remote start/stop.
- Outputs include: one 250V/3A relay to monitor TFD (Tube Failure System) and FVS (Flow Verification System).
- Two PVDF molded squeeze rollers and two alignment rollers for optimum squeeze, unparalleled accuracy, and tube life.
- Heavy duty rotor - single piece plastic rotor means no flexing and increased accuracy with no metal springs or hinges to corrode.
- Chemically resistant tubing capable of pumping bleach (sodium hypochlorite), calcium hypochlorite 20%, and muriatic acid (hydrochloric acid).

FLEXFLO® A2A ORDERING

Model Number A2A		
Pump Only	GPD (LPH)	MAX PSI (bar)
A2A2(*)-SNEE	.055 - 5.5 (.208 - 20.8)	50 (3.4 bar)
A2A2(*)-SNGG	.159 - 15.9 (.602 - 60.2)	40 (2.8 bar)

Model Variations:

NEE = Flex-A-Prene® .093 ID, 0.055 to 5.5 GPH

NGG = Flex-A-Prene® .187 ID, 0.16 to 15.9 GPH

Replace (*) with:

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 (United Kingdom)

X = No Power Cord



IP66

NEMA 4X
WASH/DOWN



FLEXFLO A2A

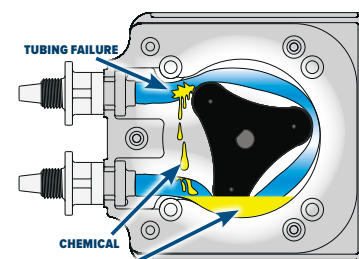
FLEXFLO® A2A SPECIFICATIONS

Max. Working Pressure.....	50 psig (3.4 bar)
Max. Fluid Temperature	185°F (85°C)
Ambient Temp Range	14° to 125°F (-10° to 52°C)
Max. Suction Lift	30 ft. Water 0 psig
Operating Voltage.....	115V60Hz 1 PH (0.6A max.) 115VAC 50/60Hz, 1ph (1.5 Amp Max.) 230VAC 50/60Hz, 1ph (0.7 Amp Max.) 220VAC 50/60Hz, 1ph (1.0 Amp Max.) 240VAC 50/60Hz, 1ph (1.0 Amp Max.)
Power Cord Options	115V50/60Hz = NEMA 5/15 (USA) 230V50/60Hz = NEMA 6/15 (USA) 220V50/60Hz = CEE 7/VII (EU) 240V50/60Hz = AS 3112 (Australia/New Zealand)
Motor.....	Brushless DC, 1/8 H.P.
Duty Cycle.....	Continuous
Motor Speed Adjustment Range 100:1.....	1.0% - 100% motor speed (1.3 to 130 RPM)
Enclosure	NEMA 4X (IP66), Polyester powder coated aluminum.
Dimensions	7-1/2" W x 10-1/4" H x 14" D (19 W x 26 H x 35.6 D cm)
Approx. Shipping Weight.....	28.4 lb. (12.9 Kg)

The Exclusive Patented TUBE FAILURE DETECTION SYSTEM

Blue-White's exclusive patented Tube Failure Detection system, no one comes close to this breakthrough technology (U.S. patent: 7,001,153 and 7,284,964). In fact, the TFD may be the most important patent ever awarded for peristaltic metering pumps. The TFD System will detect a wide range of conductive chemicals with no false triggering. If the TFD senses tube failure, the pump will automatically shut off and energize a relay or switch, permitting communication with external equipment, such as a back-up pump or alarm.

Simple, efficient and BUILT-IN to every FLEXFLO® Pump



CHEMICAL IS IMMEDIATELY DETECTED IN THE PUMP HEAD. THE PUMP SHUTS DOWN.

FLOWREAD™ R-300 Flowmeter

The FLOWREAD™ Flowmeter will Monitor a RESIDENTIAL POOL's Variable Speed Pump for Maximum Efficiency.

It will save energy dollars and improve pool water quality.
Experience the difference it makes:

- Quick and simple installation
- Easy to read scale
- Nearly effortless monitoring of pool pumps efficiency

F-300 BENEFITS

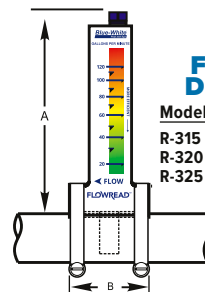
- 1-1/2" to 2-1/2" pipe sizes.
- Flow rates from 10–150 GPM.
- Resistant PVDF internal float material.
- One piece machined acrylic body.
- Mounts to existing pipe. No unions or adapters required.
- Mounting clamps and gasket included.

F-300 SPECIFICATIONS

Max. Working Pressure..... 75 psig (5.2 bar) @ 70°F (21°C)
Max. Fluid Temperature 32° to 190°F (0° to 88°C) @ 0 psig
Ambient Temperature 0 to 110°F (-18° to 438°C) @ 0 psig
Pipe Clamp Material 316 Stainless Steel
Accuracy 5%
Meter Body Material Cast Acrylic
Pipe Requirements IPS inch pipe size (ASTM-D-1785)
Gasket Material Neoprene
Float Material PVDF
Cap Material PVDF
Connection Type Saddle
Approx. Shipping Weight 1 lb (0.45 kg)
Note: Temperature & Pressure ratings of meter only. Actual pipe rating may vary.

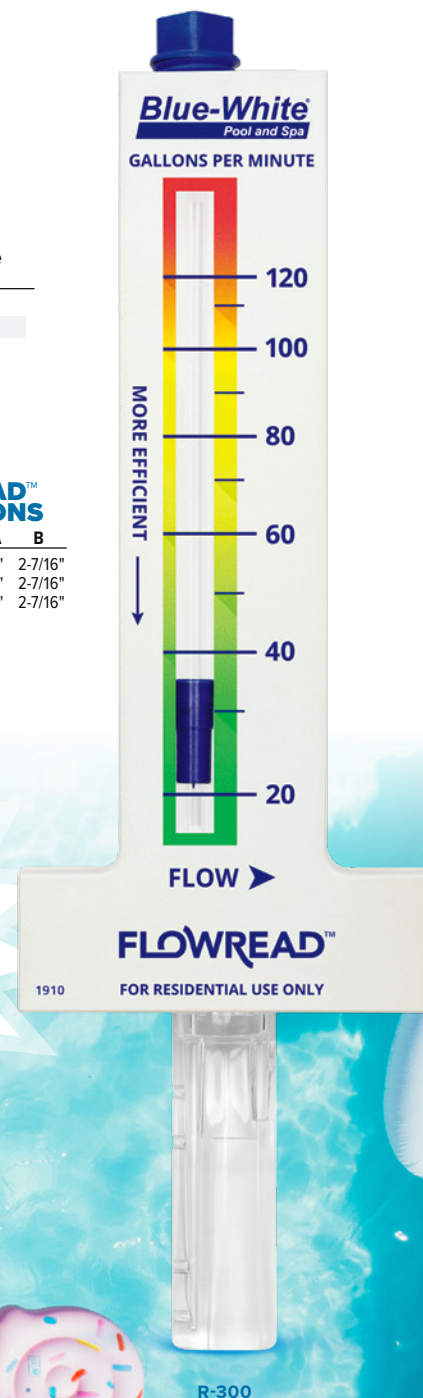
FLOWREAD™ ORDERING

Pipe Size	Model Number	U.S. IPS Pipe GPM
1.5"	R-315	10–70
2"	R-320	20–120
2.5"	R-320	30–150



FLOWREAD™ DIMENSIONS

Model	Pipe Size	A	B
R-315	1-1/2"	6"	2-7/16"
R-320	2"	6"	2-7/16"
R-325	2-1/2"	6"	2-7/16"



For Residential Pools

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