

Solutions for Aquatics Industry



*Fluid Metering Solutions
Made Simple®*

Blue-White®

Blue-White[®]

COMPANY HISTORY



Blue-White[®] Industries' founder, Ozzie King

(October 17, 1909 – August 11, 1998) was a true Pool Industry pioneer. In the late forties he became a successful pool builder and inventor, operating as King Blue-White Pools. In 1957, he switched the focus of the company from building to manufacturing and incorporated Blue-White Industries. In the early years of the industry, products that we now take for granted were simply not available. Ozzie King had the foresight to see what types of products were needed, and the skill to manufacture these products. He was awarded a patent on the Weir Gate Skimmer, which greatly reduced pool construction costs, and effectively cleaned pool water surfaces. This was the most important invention in the pool industry. In addition to the Weir Gate Skimmer, Ozzie developed the underwater pool light (the first underwater light approved by the City of Los Angeles), DE and Sand Filters, Air Gaps, chlorinators, and flowmeters. His F-300 Series flowmeter became the Pool Industry standard. This ingenious meter, which installs in just minutes, enables users to accurately determine actual flow rate in their pool's plumbing system. Health Departments now mandate flowmeters on all public and semi-public pools. In addition, he developed two great Chlorinators, the CHEM-FEED[®] C-600P, and the FLEXFLO[®] A-100, for which he was awarded a patent on the pump tube design. Ozzie's contributions to the Industry, both in building design and innovation, and product development and invention, are unequalled. Today Blue-White[®] Industries is still run by the King family.



Company Founder, Ozzie King, circa 1923

Company Founder, Ozzie King, building a pool.

Blue-White[®]

AQUATICS APPLICATIONS:

- Pool & Spas
- Aquatic Facilities
- Waterparks
- Theme Parks
- Hospitality

FLEXFLO® PERISTALTIC METERING PUMPS



FLEXFLO® A1A



FLEXFLO®
A2A



FLEXFLO® A-100NA

Blue-White's FLEXFLO® Series of Peristaltic Metering Pumps are designed to dose precise amounts of chemical to a system. Each pump comes with built in Tube Failure Detection, which will prevent unwanted chemical spills and downtime.

A-100NA is designed for hassle-free delivery of liquid chlorine and acid to pools and smaller aquatics features.

- Precise output control for a wide range of feed rates.
- 4.8 to 95.1 GPD (0.75 to 15 LPH)
- 100PSI (6.9 bar)

A1A Acid and Liquid Chlorine Feeder is perfect for sanitizing (sodium hypochlorite) and pH adjustment (acid) in water parks and high-volume commercial aquatics.

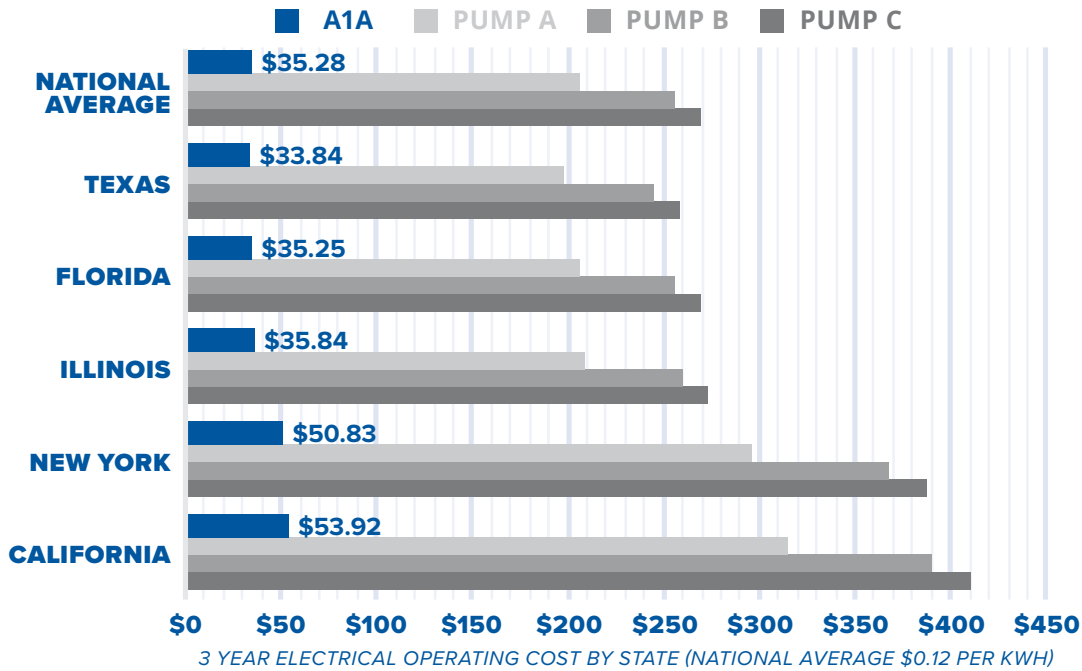
- Self-priming and cannot vapor lock or lose prime.
- .01 to 100 GPD (.01 to 15.8 LPH)
- 40 PSI (2.76 bar)

A2A Acid and Liquid Chlorine Feeder is designed for precise feed for the high-volume commercial aquatic and water parks.

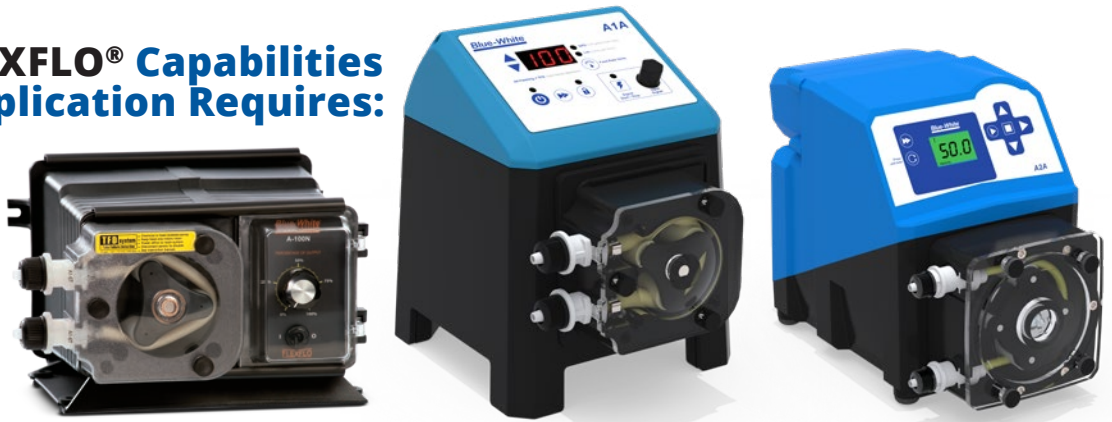
- Requires minimal maintenance and will not lose prime when delivering smooth and precise chemical feed.
- 1.44 to 381.6 GPD (.21 to 60.2 LPH)
- 50 PSI (3.5 bar)

FLEXFLO® PERISTALTIC METERING PUMPS

FLEXFLO® A1A Operating Cost Over 3 Years VS. The Competition



Choose the FLEXFLO® Capabilities Your Application Requires:



A-100NA

A1A

A2A

Flow Output Range	2.4–124.08 GPD (0.36–19.56 LPH)	.01–100 GPD (.01–15.8 LPH)	1.44–381.6 GPD (.21–60.2 LPH)
PSI	100 (6.9 bar)	40 (2.76 bar)	50 (3.5 bar)
Turndown	20:1	10,000:1	100:1
Warranty	1 YEAR	2 YEAR	
Variable Speed DC Motor	NO	YES	YES
TFD Tube Failure Detection (Pat.#7,001,153 and 7,284,964)	YES	YES	YES
Input: Remote Start/Stop	NO	YES	YES
Lockout Feature	NO	YES	YES

FLEXFLO® APPLICATIONS INCLUDE

Chlorination
Disinfection
Sanitizing

Acid Feed
Ph Adjustment
Alkalinity

Stabilizers
Water Parks
Municipal Pools

Commercial Pools
and Features

Blue-White®

BLUE-WHITE®'S CO2 FEED SYSTEM



CO2 Feed System

The CO2 Feed System is a safe and effective way to adjust pH and minimize risk associated with dangerous mineral acids. The 0-100% scaled flow meter has an integral adjustment needle valve for increased accuracy.

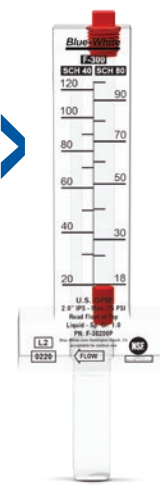
Additional benefits of the CO2 Feed System include NEMA 4X enclosure, illuminated on/off switch, a flow set point indicator, stainless steel solenoid valve, and simple push-tight tubing connectors.

The CO2 Feeder is an affordable and reliable system that is simple to use and adjust.

Blue-White® ARTICLES

Aquatics Industry Flow Meter of Choice: The F-300 ➤

Blue-White Founder, Ozzie King, transitioned from leading Southern California pool builder to manufacturing products needed in aquatics, such as the F-300 Series Flow Meter. The F-300 has more NSF 50 list sizes than any other flow meter. It is engineered to deliver accuracy +/- 5% and with less than 1 PSI pressure drop. The aerodynamic pitot tube allows for smooth flow of water through the pitot tube and meter for no float bounce. The red float is non-stick, chemical resistant, and the bright color enhances readability. The signature red cap will not crack or fade. The F-300 requires a minimal run of pipe to work effectively, making them an excellent choice for cramped equipment rooms. The F-300 is offered in both horizontal and vertical mount units to ensure you get the best flow meter for your installation.



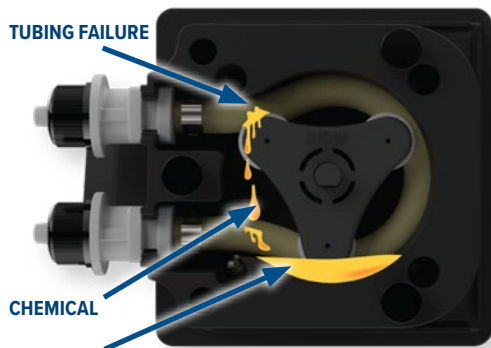
◀ **Digital Paddlewheel Flow Meters for Aquatic Applications**

Commercial aquatics facilities require to verify turnover rate is at least three times the volume of the feature during each 24-hour period. To facilitate inspection, flow meters are required to be installed on all commercial aquatics features so that the flow rate through the lines can be confirmed. The BW DIGI-METER'S® Digital paddlewheel technology easy-to-read LCD display makes flow verification simple. The flow meter skips the requirement for a calculation by mechanically measuring the actual flow moving through the pipes. It has optional analog output capabilities, which offers the ability to control the variable speed motors and communicate with variable frequency drive. The highly accurate and economic meters can measure a variety of aquatic applications.

EXCLUSIVE PATENTED ACCESSORIES

Flex-A-Prene® Heavy-Duty Peristaltic Pump Tubing

Flex-A-Prene® is a multi-channel pump tube assembly designed by Blue-White® exclusively for FLEXFLO® Peristaltic Dosing Pumps. Flex-A-Prene® is engineered for optimum performance, including up to four times longer service than other pump tube assemblies.



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

TFD system Tube Failure Detection (TFD)

FLEXFLO® Peristaltic Pumps are equipped with Blue-White's exclusive patented, built-in Tube Failure Detection System (TFD). This technology detects a wide range of conductive chemicals with no false triggering. If the TFD detects tube failure, the pump will automatically shut off and energize a relay switch. This permits communication with external equipment, such as a back-up pump or alarm. It also serves to prevent chemical spills and added downtime.



M8 Cable

Blue-White's M8 cable makes it possible to quickly and easily utilize the start/stop feature and to connect the FLEXFLO® A1A to external devices such as controllers and analyzers.



Star Tanks

The Star System Complete Metering System is available in 7, 15, and 30 gallons. The Star Systems have an easy fill lid with three lid positions: open, closed and vented. The compact and efficient tanks are constructed of natural polyethylene with U.V. inhibitors, and 0.30" thick walls for stability, strength and superior chemical resistance.

VARIABLE AREA FLOW METERS

The F-300 Flow Meter

The F-300 Flow Meter is accurate and has reduced space requirements for installation. The aerodynamic pitot tube is designed for smooth fluid flow through the meter. There are four capture points resulting in no float bounce.

Acrylic Variable Area Flow Meters

Acrylic Variable Area Flow Meters are durable, highly polished, one piece meter bodies annealed for strength and chemical resistance and are suitable for direct sunlight. Great for dependable flow monitoring.

F-300S Flow Switch

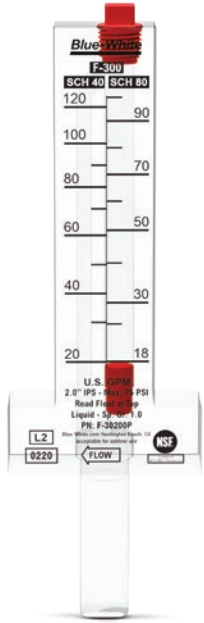
Optional Flow Switch is designed to detect Flow / No Flow. When the New F-300 Flowmeters' magnetized yellow PVDF float enters the Alarm Trigger Zone of the F-300S Sensor, the built-in dry contact switch closes - providing a trigger to external devices.

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!



BW DIGI-METER® PADDLEWHEEL FLOW METERS



BW DIGI-METER® F-1000 and F-2000 Paddlewheel Flow Meters

The F-1000 and F-2000 Flow Meters are accurate, easy to install, and easy to operate. The F-1000 Flow Meter is sensor mounted on a pipe fitting and battery operated. The F-2000 has sensor, pipe, panel, or wall mount options available and are AC/DC transformer or battery operated (RT models only).

*Fluid Metering Solutions
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Photo circa 1955

Blue-White®

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Blue-White® is
ISO 9001:2015 CERTIFIED