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

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)

THE MOST
NSF 50 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-300 ORDERING
HORIZONTAL INSTALLATION

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Model Number</th>
<th>U.S. IPS Pipe (ASTM D-1785) Flow Range</th>
<th>COPPER TUBE Types K&amp;L Flow Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>F-30100(*)</td>
<td>5–35 GPM SCH 40 / 4–26 GPM SCH 80</td>
<td>4–26 GPM</td>
</tr>
<tr>
<td>1.25”</td>
<td>F-30125(*)</td>
<td>6–40 GPM SCH 40 / 8–30 GPM SCH 80</td>
<td>5–25 GPM</td>
</tr>
<tr>
<td>1.5”</td>
<td>F-30150(*)</td>
<td>10–60 GPM SCH 40 / 15–90 GPM SCH 80</td>
<td>10–100 GPM</td>
</tr>
<tr>
<td>2”</td>
<td>F-30200(*)</td>
<td>20–120 GPM SCH 40 / 25–180 GPM SCH 80</td>
<td>30–180 GPM</td>
</tr>
<tr>
<td>2.5”</td>
<td>F-30250P</td>
<td>29–150 GPM SCH 40 / 35–180 GPM SCH 80</td>
<td>40–215 GPM</td>
</tr>
<tr>
<td>3”</td>
<td>F-30300P</td>
<td>45–240 GPM SCH 40 / 55–220 GPM SCH 80</td>
<td>50–250 GPM</td>
</tr>
<tr>
<td>4”</td>
<td>F-30400P</td>
<td>75–420 GPM SCH 40 / 100–300 GPM SCH 80</td>
<td>100–300 GPM</td>
</tr>
<tr>
<td>6”</td>
<td>F-30600P</td>
<td>170–1100 GPM SCH 40 / 200–1400 GPM SCH 80</td>
<td>150–750 GPM</td>
</tr>
<tr>
<td>8”</td>
<td>F-30800P</td>
<td>200–2200 GPM SCH 40 / 275–1950 GPM SCH 80</td>
<td>–</td>
</tr>
</tbody>
</table>

VERTICAL INSTALLATION

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Model Number</th>
<th>U.S. IPS Pipe (ASTM D-1785) Flow Range</th>
<th>COPPER TUBE Types K&amp;L Flow Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5”</td>
<td>U-30150(*)</td>
<td>20–100 GPM SCH 80 / 30–120 GPM SCH 80</td>
<td>25–100 GPM</td>
</tr>
<tr>
<td>1.5”</td>
<td>D-30150(*+)</td>
<td>9–30 GPM SCH 80 / 29–120 GPM SCH 80</td>
<td>15–75 GPM</td>
</tr>
<tr>
<td>2”</td>
<td>U-30200(*)</td>
<td>40–150 GPM SCH 80 / 55–180 GPM SCH 80</td>
<td>50–250 GPM</td>
</tr>
<tr>
<td>2”</td>
<td>D-30200(*+)</td>
<td>18–70 GPM SCH 80 / 27–120 GPM SCH 80</td>
<td>25–100 GPM</td>
</tr>
</tbody>
</table>

Model Variations:
- Replace (*) with = 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 a 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”.

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?
Some of the benefits:
- Replaces 2 Flowmeters & Sensors
- Reduces Installation & Space
- Includes Alarm 
- No Flow feature

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: 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-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.
- Battery operated. 4 AA Batteries included.
- AC/DC transformer available.
- Factory programmed with calibration certificate.
- 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.
- Custom calibration units available. Contact the factory.
Feed Precise Amounts of Pool Chemical with NO Vapor
Lock or Loss of Prime

**FLEXFLO® A-100NA BENEFITS**
- Precise chemical feed up to 95.1 GPD / 8.45 oz/min.
- Max working pressure of 100 PSI / 6.9 bar.
- Precise 5-100% output control adjustment knob (3-60 seconds).
- Exclusive, Built-in Tube Failure Detection System (TFD).
- Self-priming against maximum line pressure.
- Output amount is not affected by changes in back pressure.
- Ships with tubing, injection/check valves, and mounting hardware.

**FLEXFLO® A-100NA SPECIFICATIONS**
- Max. Working Pressure: 100 psig (6.9 bar)
- Max. Fluid Temperature: 140°F (60°C) @ 0 psi
- Max. Solids: 50% by volume
- Max. Suction Lift: 30 ft Water 0 psig
- Max. Pressure Drop: 0 psi (no significant pressure drop)
- Duty Cycle: Continuous
- Max. Viscosity: 5,000 Centipoise
- Max. Fluid Temperature: TEE: 200 psig (13.8 bar) @ 70°F (21°C)
- Max. Working Pressure: TEE: 300 psig (20 bar) @ 70°F (21°C)

**FLEXFLO® A-100NA & STAR III® ORDERING**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Star III</th>
<th>System</th>
<th>GPD</th>
<th>MAX PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIN10A-6T</td>
<td>AIN10A-6T-T(*)</td>
<td>.30-.6</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>AIN20A-6T</td>
<td>AIN20A-6T-T(*)</td>
<td>1.20-.240</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>AIN10A-7T</td>
<td>AIN10A-7T-T(*)</td>
<td>2.63-52.5</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>AIN30A-7T</td>
<td>AIN30A-7T-T(*)</td>
<td>4.78-95.1</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

**Model Variations:** Replace (*) with:
- Model Variations: A1N30A-7T
- Model Variations: A1N10A-7T
- Model Variations: A1N20A-6T
- Model Variations: A1N10A-6T

Approx. Shipping Weight: 10 lbs (4.5 kg)

**FLEXFLO® STAR III® BENEFITS**
- The Star III® is equipped with the FLEXFLO® A-100NA Chlorinator 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.

**F-1000 & F-2000 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-1000 & F-2000 SPECIFICATIONS**
- Max. Working Pressure: 100 psig (6.9 bar) @ 70°F (2°C)
- Max. Fluid Temperature: 130°F (54°C)
- Saddle: Schedule 40 pipe, 4" = Schedule 80 pipe
- Full Scale Accuracy: F-1000: ± 2%, F-2000: ± 1%
- Saddle Material: PVDF (thin 1/2", 2", 3" sizes), PVC (all others sizes)
- 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**

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Flow Range</th>
<th>F-1000 GPM</th>
<th>F-2000 (Rate Only)</th>
<th>MODEL NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>100</td>
<td>150</td>
<td>RB-100AT-GPM1</td>
<td>RTPB10ATGM1</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>150</td>
<td>200</td>
<td>RB-150AT-GPM1</td>
<td>RTPB15ATGM1</td>
</tr>
<tr>
<td>2&quot;</td>
<td>300</td>
<td>400</td>
<td>RB-200AT-GPM1</td>
<td>RTPB20ATGM1</td>
</tr>
<tr>
<td>3&quot;</td>
<td>600</td>
<td>800</td>
<td>RB-300AT-GPM1</td>
<td>RTPB30ATGM1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Flow Range</th>
<th>F-2000 GPM</th>
<th>F-2000 (Battery Operated)</th>
<th>MODEL NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot;</td>
<td>150</td>
<td>150</td>
<td>RB-150S-GPM1</td>
<td>RTPB15SK1GM1</td>
</tr>
<tr>
<td>2&quot;</td>
<td>300</td>
<td>400</td>
<td>RB-200S-GPM1</td>
<td>RTPB20SK1GM1</td>
</tr>
<tr>
<td>3&quot;</td>
<td>600</td>
<td>800</td>
<td>RB-300S-GPM1</td>
<td>RTPB30SK1GM1</td>
</tr>
<tr>
<td>4&quot;</td>
<td>1000</td>
<td>1200</td>
<td>RB-1000S-GPM1</td>
<td>RTPB1000SK1GM1</td>
</tr>
<tr>
<td>5&quot;</td>
<td>250</td>
<td>300</td>
<td>RB-250S-GPM1</td>
<td>RTPB250SK1GM1</td>
</tr>
<tr>
<td>6&quot;</td>
<td>500</td>
<td>600</td>
<td>RB-500S-GPM1</td>
<td>RTPB500SK1GM1</td>
</tr>
<tr>
<td>7&quot;</td>
<td>1000</td>
<td>1200</td>
<td>RB-1000S-GPM1</td>
<td>RTPB1000K1GM1</td>
</tr>
<tr>
<td>8&quot;</td>
<td>2000</td>
<td>2400</td>
<td>RB-2000S-GPM1</td>
<td>RTPB2000K1GM1</td>
</tr>
</tbody>
</table>

**Model Variations:** Replace (*) with:
- Model Variations: 4 = Schedule 40 pipe
- Model Variations: 8 = Schedule 80 pipe
Ideal for Commercial Aquatics and Water Parks

The new Flex-Pro® A2P Chlorinators are expertly engineered for use in commercial pools and aquatic facilities. A2P will meter precise amounts of off-gassing chemicals typically used in large waterpark applications without vapor-locking or loss of prime.

The peristaltic design of the A2P pump does not have valves that can clog requiring maintenance. It is self-priming, even against maximum line pressure.

**FLEX-PRO® A2P BENEFITS**
- Feed Rates to 381.6 GPD (1444.5 LPD).
- Pressures to 50 PSI (3.4 bar).
- 100:1 Turndown Ratio.
- Variable Speed DC Motor.
- Power assisted pump tube replacement system.
- 2 Year Warranty.
- Flex-A-Prene® Tubing with more than 4X longer tube life.
- Patented Tube Failure Detection (Patent Numbers 7,001,153 and 7,284,964).

**FLEX-PRO® A2P SPECIFICATIONS**
- Max. Working Pressure: 50 psig (3.4 bar) (excluding pump tubes)
- Note: see individual pump tube assembly maximum pressure ratings.
- Max. suction lift: 30 ft of water at sea level (14.7 atm psi)
- Ambient Operating Temp: 14˚ F to 125˚ F (-10˚ C to 52˚ C)
- Ambient Storage Temp: -40˚ F to 158˚ F (-40˚ C to 70˚ C)
- Operating Voltage: 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 (AU/NZ)
- Motor: Brushed DC, 1/8 H.P.
- Duty cycle: Continuous
- Motor Speed Adjust. Range: 100:1 (1.3 to 130 RPM)
- Enclosure: NEMA 4X (IP66), Polyester powder coated aluminum
- Product Dimensions: 7-1/2"W x 10-1/4"H x 14"D (19W x 26H x 35.6D cm)
- Product Weight: 28 lb (12.9 Kg)
- Approx. Shipping Weight: 35 lb (15.9 Kg)

**FLEX-PRO® A2P ORDERING**
- Flex-A-Prene® Tubing
- Meets FDA criteria for food | Excellent chemical resistance | CIP | SIP

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Feed Rate</th>
<th>Max. Speed</th>
<th>Max Pressure</th>
<th>Max Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2P2(*)-SNEE</td>
<td>.055–5.5</td>
<td>1.32–132</td>
<td>50 (3.4)</td>
<td>185 (85)</td>
</tr>
<tr>
<td>A2P2(*)-SNGG</td>
<td>.16–15.9</td>
<td>3.84–381.6</td>
<td>40 (2.8)</td>
<td>185 (85)</td>
</tr>
</tbody>
</table>

Model Variations:
- Replace (*) with
  - 4 = 115V AC
  - 5 = 230V AC
  - 6 = 220V AC

*Note: For optimum tube life, specify the pump to operate at the lowest possible RPM and pressure.*