Max. working pressure: 65 psig (4.5 bar)
Max. fluid temperature: 130°F (54°C)
Max. ambient temperature: 14 to 110°F/-10 to 43°C
Output adjustment range:
- 14 & 30 RPM with -1T, -2T tubes: 5-100% (20:1 turndown)
- All other models: 10-100% (10:1 turndown)
Duty cycle: Continuous
Maximum viscosity: 5,000 Centipoise
Maximum suction lift: 30 ft. Water 0 psig
Maximum Solids: 50% by volume
Enclosure: NEMA 3R, (IP23)

Features:
- Peristaltic pump design does not have valves that can clog requiring maintenance.
- Self priming - even against maximum line pressure. By-pass valves are not required. Cannot vapor lock or lose prime.
- Outputs to 5.17 GPH (19.56 LPH).
- Output pressures to 65 PSI (4.5 bar).
- Output volume is not effected by changes in back pressure.
- Patented pump tube design installs easily and stays centered on the rollers without manual adjustment.
- Two pump tubes supplied with each pump. No extra tubing required.
- Accepts 4-20mA, 0-10Vdc, and Pulse inputs for manual or external speed control.
- Operator friendly digital touch pad.
  - Easy to read LCD display
  - Service and Alarm indicator icons.
  - Display motor speed or input signal values.
  - Prime mode for easy priming without changing programming.
- Built-in Tube Failure Detection Plus system (TFD+). Senses chemical in the pump head, shuts off the pump and activates a 1 amp alarm relay (dry contact closure).
- Compatible with Blue-White’s output flow verification sensor system.
- Durable housing of chemical resistant Valox (PBT) thermoplastic.

Specifications:
Max. working pressure: 65 psig (4.5 bar)
Max. fluid temperature: 130°F (54°C)
Max. ambient temperature: 14 to 110°F/-10 to 43°C
Output adjustment range:
- 14 & 30 RPM with -1T, -2T tubes: 5-100% (20:1 turndown)
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Duty cycle: Continuous
Maximum viscosity: 5,000 Centipoise
Maximum suction lift: 30 ft. Water 0 psig
Maximum Solids: 50% by volume
Enclosure: NEMA 3R, (IP23)

Materials of Construction:
- Wetted components:
  - Pump Tube Assembly: Flex-A-Thane®
  - Suction Tubing: Clear PVC
  - Suction Strainer: Natural Polypropylene
  - Discharge Tubing: Natural Polyethylene (LLDPE)
  - Injection/Check Valve: Polypropylene (optional PVDF)
  - Body & Insert: Polypropylene (optional PVDF)
  - Check Ball: Ceramic
  - Spring: Hastelloy C-276
  - Ball Seat O-ring: TFE/P (optional EP)
  - Static Seal O-ring: FKM (optional EP)
- Non-Wetted components:
  - Pump Head & Enclosure: Valox® (PBT) thermoplastic
  - Pump Head Cover: Clear Acrylic
  - Cover Screws: 300 Stainless, Polypropylene cap
  - Roller Assembly:
    - Rotor: Valox® (PBT)
    - Rollers: Nylon
    - Roller Bearings: Bronze
  - Motor Shaft: Nickel plated steel
  - TFD System Sensor pins: Hastelloy C-276
  - Power Cord: 3 conductor, SJTW-A Water-resistant
## Model Number Matrix:

<table>
<thead>
<tr>
<th>Maximum Motor RPM</th>
<th>MODEL A1N</th>
<th>V</th>
<th>-</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = 14 RPM</td>
<td>V</td>
<td>-</td>
<td>P</td>
<td></td>
</tr>
<tr>
<td>1 = 30 RPM</td>
<td>V</td>
<td>-</td>
<td>P</td>
<td></td>
</tr>
<tr>
<td>2 = 45 RPM</td>
<td>V</td>
<td>-</td>
<td>P</td>
<td></td>
</tr>
<tr>
<td>3 = 60 RPM</td>
<td>V</td>
<td>-</td>
<td>P</td>
<td></td>
</tr>
</tbody>
</table>

### Power Supply

| 0 = 115V60Hz | V | - | P |
| 1 = 220V50Hz | V | - | P |
| 2 = 230V60Hz | V | - | P |
| 8 = 240V50Hz AS 3112 (Australia/New Zealand) | V | - | P |
| 9 = 230V50Hz BS 1363 (UK) | V | - | P |

### Output Control

- V = Digital speed control with external input
- F = Analog speed control

### Miscellaneous Options (not required)

- **1 =** T140-6V injector replaces A-014N-6A
- **2 =** C-340V footvalve replaces C-342-6 strainer
- **5 =** A-014NK-6A injector PVDF
- **6 =** Jumper set for digital square wave input
- **T7 =** 7 gallon chemical tank system
- **T15 =** 15 gallon chemical tank system
- **T30 =** 30 gallon chemical tank system
- **P =** Polymer Pump equipped with TFD+

### Tubing Connection Type

- **T =** Compression tube nuts

### Pump Tube Size and Material

- **1 =** 1/4" OD Flex-A-Thane
- **2 =** 3/8" OD Flex-A-Thane
- **3 =** 7/16" OD Flex-A-Thane

## Maximum Flow rate and pressure capacities:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Feed Rate</th>
<th>RPM</th>
<th>Max PSI (BAR)</th>
<th>Pump Tube Part Number</th>
<th>Pump Tube Material</th>
<th>Nominal Pump Tube OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1N0&quot;V-1T-P</td>
<td>0.8 - 15 ML/min</td>
<td>14</td>
<td>65 (4.5)</td>
<td>A1-1T</td>
<td>Flex-A-Thane*</td>
<td>1/4&quot; (6.4mm)</td>
</tr>
<tr>
<td>A1N1&quot;V-1T-P</td>
<td>1.8 - 35 ML/min</td>
<td>30</td>
<td>65 (4.5)</td>
<td>A1-1T</td>
<td>Flex-A-Thane*</td>
<td>1/4&quot; (6.4mm)</td>
</tr>
<tr>
<td>A1N3&quot;V-1T-P</td>
<td>6.7 - 67 ML/min</td>
<td>60</td>
<td>65 (4.5)</td>
<td>A1-1T</td>
<td>Flex-A-Thane*</td>
<td>1/4&quot; (6.4mm)</td>
</tr>
<tr>
<td>A1N3&quot;V-2T-P</td>
<td>14.0 - 140 ML/min</td>
<td>60</td>
<td>65 (4.5)</td>
<td>A1-2T</td>
<td>Flex-A-Thane*</td>
<td>3/8&quot; (9.5mm)</td>
</tr>
<tr>
<td>A1N2&quot;V-3T-P</td>
<td>26.1 - 261 ML/min</td>
<td>45</td>
<td>50 (3.5)</td>
<td>A1-3T</td>
<td>Flex-A-Thane*</td>
<td>7/16&quot; (11.1mm)</td>
</tr>
<tr>
<td>A1N3&quot;V-3T-P</td>
<td>32.6 - 326 ML/min</td>
<td>60</td>
<td>50 (3.5)</td>
<td>A1-3T</td>
<td>Flex-A-Thane*</td>
<td>7/16&quot; (11.1mm)</td>
</tr>
</tbody>
</table>