Specifications:

Motor:
- Type: 12 VDC, Permanent Magnet, Totally Enclosed, Non-Ventilated
- Leads: 20 AWG, 6” Long
- Temp. Limits: This motor is not equipped with thermal protection. For user safety, optimal performance, and maximum motor life, the motor surface temperature should not exceed 150°F (66°C), as shown on the heat rise graph.
- Duty Cycle: See heat rise graph

Pump Design:
- 3 chamber diaphragm pump, self-priming, capable of being run dry

Typical Application:
- Pre-filter water treatment (R.O. boost)

Materials:
- Housings: Nylon
- Valves: EPDM
- Diaphragm: Santoprene
- Fasteners: Stainless steel

Liquid Temperature: 170°F (77°C) Max.

Pump Certifications: NSF Standard 58

Priming Capabilities:

<table>
<thead>
<tr>
<th>Type</th>
<th>Shape</th>
<th>Kit No.</th>
<th>Connects To…</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” compression</td>
<td>straight</td>
<td>25-031</td>
<td>1/4” tubing</td>
</tr>
<tr>
<td>1/4” compression</td>
<td>elbow</td>
<td>25-032</td>
<td>1/4” tubing</td>
</tr>
<tr>
<td>3/8” stem</td>
<td>straight</td>
<td>25-029</td>
<td>1/4” John Guest push-on fitting</td>
</tr>
</tbody>
</table>

Fittings:

Completing the Part Number:

68XX-2X03-B331

Flexible mounting plate (other types available)
See performance data for recommended by-pass pressure and code
By-pass pressure relief control valve
Select pumphead model from performance data chart
2 = Open ports for 1/4” compression fitting
4 = Push to connect ports for 1/4” tubing
5 = Push-to-connect ports for 3/8” tubing

Weight: 6 lbs.

Aquatec International, Inc.
17422 Pullman Street, Irvine, CA 92614
Sales: 949-225-2200 Fax: 949-225-2222
www.aquatec.com
## Series 6800 Pump

**Model:** 68XX-2X03-B331

### PERFORMANCE DATA

<table>
<thead>
<tr>
<th>DISCHARGE PRESSURE (PSI)</th>
<th>PUMPHEAD MODEL 68X0</th>
<th>PUMPHEAD MODEL 68X1</th>
<th>RECOMMENDED BY-PASS PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FLOW (LPM)</td>
<td>CURRENT (AMPS)</td>
<td>FLOW (LPM)</td>
</tr>
<tr>
<td>80</td>
<td>0.38</td>
<td>0.70</td>
<td>0.54</td>
</tr>
<tr>
<td>70</td>
<td>0.40</td>
<td>0.65</td>
<td>0.60</td>
</tr>
<tr>
<td>60</td>
<td>0.44</td>
<td>0.59</td>
<td>0.62</td>
</tr>
<tr>
<td>50</td>
<td>0.49</td>
<td>0.53</td>
<td>0.64</td>
</tr>
<tr>
<td>40</td>
<td>0.53</td>
<td>0.47</td>
<td>0.67</td>
</tr>
<tr>
<td>30</td>
<td>0.58</td>
<td>0.41</td>
<td>0.69</td>
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<tr>
<td>20</td>
<td>0.62</td>
<td>0.34</td>
<td>0.72</td>
</tr>
<tr>
<td>10</td>
<td>0.65</td>
<td>0.27</td>
<td>0.77</td>
</tr>
<tr>
<td>OPEN</td>
<td>0.73</td>
<td>0.21</td>
<td>0.86</td>
</tr>
</tbody>
</table>

**PERFORMANCE MEASURED WITH FLOODED INLET (0 PSI), 70°F (21°C) AMBIENT AND WATER TEMPERATURE, AND VOLTAGE CONTROLLED AT 12 VDC. POSITIVE INLET PRESSURE WILL INCREASE THE DISCHARGE PRESSURE BY A SIMILAR AMOUNT, FOR A GIVEN FLOW. MAXIMUM INLET PRESSURE IS 60 PSI.**

**SHADED AREA DENOTES CONTINUOUS OPERATION CAPABILITY AT DESIGNATED PRESSURE AND CURRENT.**

### HEAT RISE

![Heat Rise Graph]

**RECOMMENDED SHUT-OFF TEMPERATURE**

**.90 AMPS**

**TIME (MINUTES)**

**All of the pump models in the Performance Data and Heat Rise charts are in the shaded area, meaning they are capable of sustaining continual running, at any of the above listed pressures, without shutting down to allow the motor to cool. To conserve wearing parts, however, the pump should only operate as needed.**

**ALL PERFORMANCE AND HEAT RISE FIGURES ARE APPROXIMATE. ACTUAL VALUES WILL VARY WITH AMBIENT CONDITIONS.**