OPERATING FEATURES

- Motor speed adjusts to water needs
- Positive shut-off at 75 to 85 PSI
- Pressure relief safety valve
- Capable of sustained low voltage operation

SPECIFICATIONS:

- MOTOR:
  - TYPE: 12 VDC, Permanent Magnet, Totally Enclosed, Non-Ventilated
  - LEADS: 14 AWG, 12” Long, Black Negative, Red Positive.
  - TEMP. LIMITS: See Heat Rise Graph
  - TO AVOID PERMANENT ELECTRONIC DAMAGE, DO NOT REVERSE POLARITY.

- SPEED CONTROLLER:
  - Factory Set to Approximately 10 Amps Max.
  - Thermally Protected to Avoid Component Damage. Will Reset Automatically.
  - CAUTION: Exterior Surfaces (heat sink), May Exceed 150°F After Only 15 Minutes of Operation.

- PUMP DESIGN:
  - 5 Chamber Diaphragm Pump, Self Priming, Capable of Being Run Dry

- TYPICAL APPLICATION:
  - Water Pressurization for RV and Marine

- MATERIALS:
  - PUMP HOUSINGS: Polypropylene
  - CONTROLLER HOUSING: Nylon
  - VALVES: EPDM
  - DIAPHRAGM: Santoprene
  - FASTENERS: Stainless Steel

- LIQUID TEMPERATURE: 140°F (60°C) Max.

- PUMP CERTIFICATIONS: IAPMO, NSF

- PRIMING CAPABILITIES: 13 Feet

- AVAILABLE QUICK-CONNECT FITTINGS:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SHAPE</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
<th>3/4&quot;</th>
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<tbody>
<tr>
<td>HOSE BARB</td>
<td>STRAIGHT</td>
<td>QBS-554</td>
<td>QBS-555</td>
<td>QBS-556</td>
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<tr>
<td>HOSE BARB</td>
<td>ELBOW</td>
<td>QBE-554</td>
<td>QBE-555</td>
<td>QBE-556</td>
</tr>
</tbody>
</table>

- THREADED 1/2" MALE QUEST QTS-556

- WEIGHT: 8 lbs.

OPTIONAL RECOMMENDED ACCESSORIES:

- 40 MESH STRAINER WITH QUICK-CONNECT ATTACHMENT (P/N 25-181)
- PULSATION DAMPENING FLEXIBLE HOSE WITH 1/2” QUEST TERMINATION (P/N 25-174 WITH QBE-554 ELBOW, OR P/N 25-175 WITH QBS-554 STRAIGHT)
## PERFORMANCE DATA

<table>
<thead>
<tr>
<th>DISCHARGE PRESSURE</th>
<th>FLOW</th>
<th>CURRENT</th>
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</thead>
<tbody>
<tr>
<td>(PSI)</td>
<td>(BAR)</td>
<td>(GPM)</td>
</tr>
<tr>
<td>65</td>
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<td>4.0</td>
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<tr>
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<td>3.4</td>
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<tr>
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<td>4.50</td>
</tr>
<tr>
<td>OPEN</td>
<td>OPEN</td>
<td>5.00</td>
</tr>
</tbody>
</table>

Performance measured with flooded inlet (0 PSI), 70°F (21°C) ambient and water temperature, and a 12 VDC, deep cycle, RV battery. Voltage at the pump is approximately 11 VDC. Positive inlet pressure will increase the discharge pressure by a similar amount, for a given flow. Maximum inlet pressure is 60 PSI.

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### HEAT RISE

Legend:
- × - Heat sink at 10 Amps
- ○ - Motor shell at 10 Amps

The RV Aquajet II pump is capable of sustaining continuous running for approximately 1 hour, as shown in the above heat rise graph. The speed controller is equipped with an auto reset thermal protector that will shut down the system, allowing the components to cool. After approximately 10 minutes the pump will restart.

All performance and heat rise figures are approximate. Actual values will vary with ambient conditions.