INTG8 Series • Maximum flow per voltage

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>48 VDC</td>
<td>39.29</td>
<td>148.74</td>
<td>13.84</td>
<td>6.00</td>
<td>0.41</td>
<td>4.22</td>
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<tr>
<td>24 VDC</td>
<td>37.41</td>
<td>141.62</td>
<td>9.95</td>
<td>4.31</td>
<td>0.30</td>
<td>3.03</td>
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<tr>
<td>21 VDC</td>
<td>31.77</td>
<td>120.27</td>
<td>13.58</td>
<td>5.89</td>
<td>0.41</td>
<td>4.14</td>
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<tr>
<td>18 VDC</td>
<td>30.12</td>
<td>114.00</td>
<td>9.64</td>
<td>4.18</td>
<td>0.29</td>
<td>2.94</td>
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<tr>
<td>15 VDC</td>
<td>26.20</td>
<td>99.19</td>
<td>6.70</td>
<td>2.90</td>
<td>0.20</td>
<td>2.04</td>
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<tr>
<td>12 VDC</td>
<td>21.97</td>
<td>83.17</td>
<td>4.07</td>
<td>1.76</td>
<td>0.12</td>
<td>1.24</td>
</tr>
</tbody>
</table>

Specifications

- Maximum System Pressure: 75 psi
- Approximate Weight: 3.5 lbs (1596.645 grams)
- Ports: 1.25” MHB

Materials In Contact With Solution

- Body: PPS
- Housing: PPS
- Static O-Ring: EPDM, FKM
- Impeller: PPS
- Pump Shaft: Ceramic

Motor Specifications

- Motor: Integrated, Brushless DC
- Supply Voltage: 12-48 VDC
- Electronics Maximum Power: 600 Watts
- To protect the control board, each Integrity Series pump will be issued with a Maximum Power limit (Watts). To stay within this limit, the recommended fuse size (Amps) will be based on the voltage supplied. (Watts = Voltage X Amps)
- Control Options:
  - Direct Supply Voltage: Speed of the pump determined by the voltage supplied
  - Analog: 0-5v DC signal
  - Digital: PWM
  - CAN-Bus: Option available
  - Tachometer: Feedback option available

Maximum Fluid Rating Chart

- Controller Position
  - Separate from pump: 225°F (107°C)
  - Within pump’s housing: Not Applicable

Various factors influence the recommended maximum temperature rating. These factors play a role in determining the pump’s life and applied warranties. In some applications, a higher maximum fluid temperature rating may be warranted.

Factors influencing maximum temperature rating include, but are not limited to:
- Starting temperature of fluid in system
- Ambient temperature
- Required performance, application’s specifications
- Run time

Available Agency Approvals

- Contact GRI
- RoHS/REACH

Many GRI pumps are RoHS & REACH compliant. For declarations by specific model numbers, please contact GRI.

Note: Testing performed in a controlled laboratory environment. Actual performance may vary (+) or (-) 10% from the information shown.
Do Not Run Pumps Dry. Pumps must be in a continuous flooded suction environment.
**Integrity Series Pumps** are designed and manufactured specifically for OEM customization. If you don’t immediately find a pump that meets your exact requirements, our dedicated Pump Team is ready to work with you in developing a solution specific to your application.

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Speed Control</th>
<th>Lead Wires</th>
<th>Max. Flow GPM (LPM)</th>
<th>Max. Head Feet (PSI)</th>
<th>Connections Inlet/Outlet (Inches)</th>
<th>O-Ring Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTG8-244</td>
<td>9-36 VDC</td>
<td>PWM / Analog (0-5v Nominal)</td>
<td>4 wires (+), (-), Speed Control, Tach</td>
<td>34.0 (130.0)</td>
<td>58.0 (25.0)</td>
<td>1.25 MHB</td>
<td>EPDM</td>
</tr>
<tr>
<td>INTG8-484</td>
<td>36-60 VDC</td>
<td>PWM / Analog (0-5v Nominal)</td>
<td>4 wires (+), (-), Speed Control, Tach</td>
<td>38.0 (146.0)</td>
<td>75.0 (32.5)</td>
<td>1.25 MHB</td>
<td>EPDM</td>
</tr>
</tbody>
</table>

Connectors: MHB = Male Hose Barb  |  O-Ring Material: EPDM = Ethylene Propylene Diene Monomer, FKM = Fluoroelastomer (Available on request)