### INTG7 Series • Maximum flow per voltage

<table>
<thead>
<tr>
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<tr>
<td>48vdc</td>
<td>21.99</td>
<td>83.25</td>
<td>7.52</td>
<td>3.26</td>
<td>0.22</td>
<td>2.29</td>
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<td>18.98</td>
<td>71.85</td>
<td>19.80</td>
<td>8.58</td>
<td>0.59</td>
<td>6.04</td>
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<td>24vdc</td>
<td>22.08</td>
<td>83.59</td>
<td>7.25</td>
<td>3.14</td>
<td>2.21</td>
<td>5.50</td>
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<td>21vdc</td>
<td>19.81</td>
<td>75.00</td>
<td>5.76</td>
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<td>18vdc</td>
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<td>49.83</td>
<td>2.49</td>
<td>1.08</td>
<td>0.76</td>
<td>1.24</td>
</tr>
</tbody>
</table>

### Specifications

- **Maximum System Pressure**: 75 psi
- **Approximate Weight**: 3.52 lbs (1596.645 grams)
- **Ports**: 1” 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**: 300 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.
  - **Analogue**: 0-5v DC Signal
  - **Digital**: PWM
  - **CAN-Bus**: Option available
  - **Tachometer**: Feedback option available
  - **Supply Voltage**: 12-48 VDC

### Maximum Fluid Rating Chart

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

- **Maximum Fluid Temp Rating**
  - 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

### Optional Agency Approvals

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

### IP (Ingress Protection)

- **IP66**: No ingress of dust, protection against powerful water jets.
- **IP67**: No ingress of dust, protection against temporary water immersion.
- **IP68**: No ingress of dust, protection against continuous water immersion.
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.

**INTG7 SERIES MODELS**

<table>
<thead>
<tr>
<th>EPDM O-Ring</th>
<th>FKM O-Ring</th>
<th>Ports Inches</th>
<th>Max Flow GPM (LPM)</th>
<th>Max Head Ft. (PSI) (m)</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 wire: (+), (-)</td>
<td>3 wire: (+), (-), Speed Control</td>
<td>2 wire: (+), (-)</td>
<td>3 wire: (+), (-), Speed Control</td>
<td>1” MHB</td>
<td>22.0 (83.3)</td>
</tr>
</tbody>
</table>

Connectors: MHB = Male Hose Barb; O-Ring Material: EPDM = Ethylene Propylene Diene Monomer, FKM = Fluoroelastomer.