**Max Flow Per INTG3 Model Series**

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<tbody>
<tr>
<td>INTG3-550 Series</td>
<td>21vdc</td>
<td>8.85</td>
<td>33.50</td>
<td>2.36</td>
<td>1.02</td>
<td>0.07</td>
<td>0.72</td>
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<tr>
<td>INTG3-560 Series</td>
<td>24vdc</td>
<td>6.70</td>
<td>25.40</td>
<td>14.87</td>
<td>6.45</td>
<td>0.44</td>
<td>4.53</td>
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</tbody>
</table>

**Specifications**

- **Maximum System Pressure:** 75 psi
- **Approximate Weight:** 0.8 LBS (362.9 grams)
- **Ports:** 1/2", 3/4" MHB, 3/8" MPT / OEM Customization Available

**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:** 12-24 VDC

**Electronics Maximum Power:** 60 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
- **Tachometer:** Feedback option available

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**Maximum Fluid Rating Chart**

- **Controller Position**
  - Separate from pump: 225°F (107°C)
  - Within pump’s housing: 149°F (65°C)

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**

- UL778: Motor-Operated Water Pumps
- NSF61: Potable Water
- NSF372: Lead Content

**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.

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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.
INTG3 Series Typical Dimensional Drawing. Many other OEM port options and configurations are available. Please contact GRI to discuss.

Base Model Options

| Suction: 1/2" MHB | Discharge: 1/2" MHB |
| Suction: 3/8" MPT | Discharge: 3/8" MPT |
| Suction: 3/4" MHB | Discharge: 3/4" MHB |
| Suction: 7/8" 14UNF | Discharge: 7/8" 14UNF |
| Suction: 1/2" MHB | Discharge: 3/4" MHB Tr |
| Suction: 3/8" MPT | Discharge: 3/4" MHB Tr |
| Suction: 7/8" 14UNF | Discharge: 3/4" MHB Tr |
| Suction: 1/2" MHB Tr | Discharge: 1/2" MHB Tr |
| Suction: 5/8" MHB Tr | Discharge: 1/2" MHB Tr |

MHB = Male Hose Barb, MPT = Male Pipe Thread, Tr = Transportation

<table>
<thead>
<tr>
<th>INTG3 SERIES MODELS</th>
<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>INTG3-550</td>
<td>INTG3-551</td>
<td>INTG3-552</td>
<td>3/4 MHB</td>
<td>8.85 (33.5)</td>
<td>32.00 (13.9) (17.7)</td>
<td>12-24</td>
</tr>
<tr>
<td>INTG3-560</td>
<td>INTG3-561</td>
<td>INTG3-562</td>
<td>1/2 MHB</td>
<td>6.70 (25.4)</td>
<td>37.00 (16.0) (11.3)</td>
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<tr>
<td>INTG3-564</td>
<td>INTG3-565</td>
<td>INTG3-566</td>
<td>3/8 MPT</td>
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3-wire: Attaching a 0-5v DC or PWM input signal to the third wire gives the ability to adjust voltage and speed of the pump. If the third wire is not connected, the pump will run full-on. Connectors: MHB = Male Hose Barb; MPT = Male Pipe Thread  O-Ring Material: EPDM = Ethylene Propylene Diene Monomer, FKM = Fluoroelastomer.

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.