The **NEW ALPHA2** redefines what a small domestic circulator can do. The built-in one-way communication capabilities of the new ALPHA2 mean **quick and easy hydronic balancing** of radiators at home. This benefits installers and homeowners alike and can generate significant savings on the heating bill.

The ALPHA Reader is an add-on to the new ALPHA2 that uses a light sensor to read out data communication from the pump for sending to a smartphone or tablet.

With the Grundfos GO Balance app installed, you get real-time calculations of the flow required through your radiator and underfloor heating systems. The user is guided step-by-step through the whole process for hydronic balancing of all radiators and underfloor heating zones in the home. In addition, ALPHA2 offers lasting reliability without blockages even in the toughest systems and best-in-class efficiency.*

### In addition, the ALPHA2 offers you:

- **No blockage** – smooth operation reduces the need for emergency service visits
- **No dry-running** – built-in active protection ensures the pump only runs when there’s water in the pump housing, for long pump life and extreme reliability
- **Self-adjustable** – AUTOADAPT automatically finds the best pump setting to maximise both comfort and efficiency
- **Market-leading efficiency** – most energy efficient circulator in its class according to VDE*

*The test has been commissioned by and paid for by Grundfos Holding A/S. Test results can be found on [http://www.grundfos.com/products/find-product/ALPHA2.html#brochures](http://www.grundfos.com/products/find-product/ALPHA2.html#brochures)
**ALPHA2**

**IN MORE DETAIL**

**Resistant to corrosion and condensation**
Cataphoresis surface coating and improved condensation ability allow the ALPHA2 to pump media down to +2°C at any ambient temperature and humidity.

**Magnetite resistance**
Ceramic shaft ensures resistance to magnetic particles in the pumped liquid to prevent deposits in critical areas of the pump.

**Unrivalled energy efficiency**
According to VDE tests the ALPHA2 is the most energy efficient circulator on the market – thanks to advanced motor and hydraulics.

**Easy installation**
The ALPHA plug makes installation quick and easy, just as the insulation shells, minimising heat loss, are easily mounted.

**Robust start-up**
Even after longer standstills the pump will resume activity effortlessly. In case of a blocked rotor the pump will vibrate on start-up and break up any dirt deposits.

**Summer mode**
Allows the ALPHA2 run optimally during summer to protect the pump and system components.

**AUTOADAPT functionality**
The intelligent AUTOADAPT functionality automatically selects the best duty point for a 2-string radiator system to facilitate commissioning.

**ALPHA Reader**
The ALPHA Reader is an add-on to the new ALPHA2 that uses a light sensor to read out data communication from the pump for sending to a smartphone or tablet.

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**Range**

<table>
<thead>
<tr>
<th>Housing Material</th>
<th>Port-to-port dimension mm</th>
<th>Performance range</th>
<th>4 meter</th>
<th>5 meter</th>
<th>6 meter</th>
<th>8 meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cast iron</td>
<td>130</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
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</tr>
<tr>
<td></td>
<td>180</td>
<td>x</td>
<td>x</td>
<td>x</td>
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</tr>
<tr>
<td>Stainless steel</td>
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<td>x</td>
<td>x</td>
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<tr>
<td></td>
<td>180</td>
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<td>x</td>
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<td>x</td>
<td></td>
</tr>
<tr>
<td>Airvent cast iron</td>
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<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td></td>
<td>180</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>

Available in all thread sizes. Contact local wholesaler for specialty pumps.

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**Technical data**

- Flow rate, Q<sub>max</sub>: 3.8 m³/h
- Pumped Liquid Temperature: +2°C - +110°C
- Sound Pressure Level: ≤43 dB(A)
- Ambient temperature: 0°C to +40°C
- Energy Efficiency Index: EEI≤0.15 (4 meter pump)

**Performance curve**

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**Easy installation**

Install the Grundfos GO Balance app installed on your phone or tablet and get access to full hydronic balancing with data from Grundfos ALPHA2 pumps.

Grundfos GO Balance is the only mobile platform for hydronic balancing on the market and is designed to save valuable time on hydronic balancing, reporting.

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**Install the GO Balance app**

**Available on Google play**

**Available on the App Store**

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