

Grundfos **ALPHA2**

# ALPHA2

## Hydronic balancing made easy – your life made easier

The **new ALPHA2** redefines what a small domestic circulator can do. The built-in one-way communication capabilities of the new ALPHA2 means **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>



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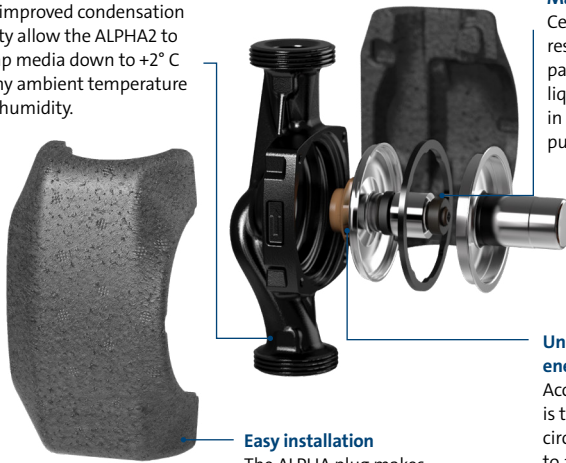
Possibility in every drop

# 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.



### Easy installation

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

### 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.

### 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.



### Range

Housing Material	Port-to-port dimension mm	Performance range			
		4 meter	5 meter	6 meter	8 meter
Cast iron	130	x	x	x	
	180	x	x	x	x
Stainless steel	130	x	x	x	
	180	x	x	x	x
Airvent cast iron	130	x	x	x	
	180	x	x	x	

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

### Technical data

Flow rate, Q <sub>max</sub> :	3.8 m <sup>3</sup> /h
Pumped Liquid Temperature:	+2°C - +110°C
Sound Pressure Level:	≤43 dB(A)
Ambient temperature:	0°C to +40°C
Energy Efficiency Index:	EEL0.15 (4 meter pump)

### Install the GO Balance app

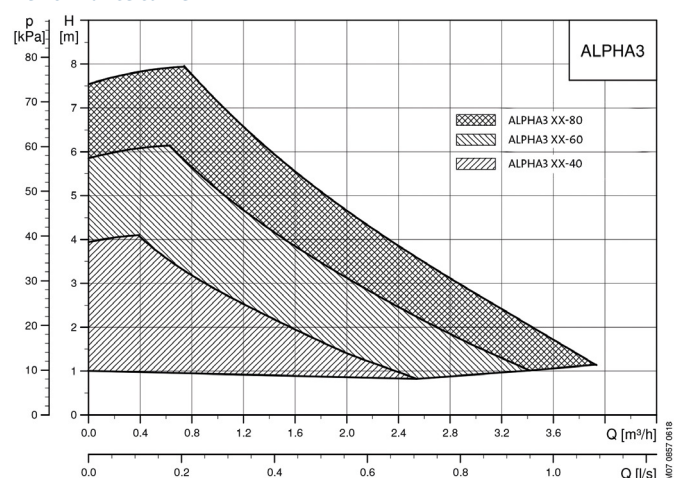
#### Easy installation

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.



### Performance curve



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