

## Functionality and performance

	DESCRIPTION	<b>NEW VERSION</b> MAGNA1	MAGNA3
GENERAL	Average Energy Efficiency Index (EEI)	0.20 (Single pumps)	0.18
	Easy installation	✓	✓
CONTROL	Constant speed	3 speed	Multiple
	Constant pressure	3 curves	Multiple
	Proportional pressure	3 curves	Multiple
	VFD controlled	✓	✓
	Constant temp. control	—	✓
	Twin pump functionality	Alternating	Alternating Backup Cascade
	Unique Grundfos functionalities *	—	✓
COMMUNICATION	Optional communication module	—	✓
	External I/O	1 x relay output 1 x digital input	0-10V/4-20mA input 2 x relay outputs 3 x digital inputs
	Grundfos GO options (remote control)	Basic	Advanced

\* See MAGNA3 details inside leaflet

Visit Grundfos Product Center and learn more about the MAGNA range.

[product-selection.grundfos.com](http://product-selection.grundfos.com)

# MAGNA1 or MAGNA3?

A simple selection guide



The name Grundfos, the Grundfos logo, and be think innovate are registered trademarks owned by Grundfos Holding A/S or Grundfos A/S, Denmark. All rights reserved worldwide. 99471671 0618/Channel Marketing/4010543-BrandBox

**GRUNDFOS Holding A/S**  
Poul Due Jensens Vej 7  
DK-8850 Bjerringbro  
Tel: +45 87 50 14 00  
[www.grundfos.com](http://www.grundfos.com)

**GRUNDFOS** 

be  
think  
innovate

**GRUNDFOS** 

# The **MAGNA** range is fit for every system

The energy-efficient MAGNA range covers virtually all system requirements and makes the installation and commissioning of HVAC systems easier than ever.

**MAGNA1**  
the simple option for a job well-done

**MAGNA3**  
for advanced systems



---

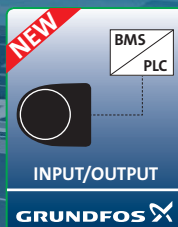
**MAGNA1**  
the simple option for a job well-done

---

**MAGNA1** is the ideal choice for simple performance needs in applications where basic system control and monitoring is desired.

Benefits include:

- » Easy installation and commissioning at the push of a button
- » Energy savings and reduced costs
- » An Energy Efficiency Index (EEI) well below the 0.20
- » Highly reliable pump performance
- » **NEW!** Input/output for PLC or BMS setup



---

**MAGNA3**  
the perfect pump for advanced systems

---

**MAGNA3** is the all-purpose pump for modern HVAC systems that require communication and where system efficiency cannot be compromised. Unique functionalities include:

**AUTO ADAPT** ensures that MAGNA3 automatically adjusts to the actual system characteristics to ensure a minimum of energy consumption during operation. The setting reduces operating costs and increases comfort due to a low noise level.

**FLOW LIMIT** makes it possible to limit the maximum flow and thereby reduces the need for pump throttling valves. Combined with **AUTO ADAPT** you get **FLOW ADAPT**.

**Differential temperature control** makes it possible for you to take charge of your flow based on  $\Delta T$ .

**Heat energy monitor** is integrated and can be used for estimating the energy consumption in different sections of a building and is a valuable tool for optimisation purposes.

**Automatic night setback** ensures that MAGNA3 runs on the minimum curve when the built-in sensor registers a temperature drop of more than 10-15°C within approx. 2 hours.