

MAGNA1 circulator pump



TM05 5862 4112 - TM05 5863 4112

The Grundfos MAGNA1 circulator pumps are designed for circulating liquids in the following systems:

- heating systems
- air-conditioning and cooling systems
- domestic hot-water systems.

The pump range can also be used for the following systems:

- ground source heat pump systems
- solar-heating systems.

The MAGNA1 is a price-fighting model to gain orders within project sales. The MAGNA1 is a cost-effective model for simple systems in larger buildings, but it is also the optimum choice for the replacement of UPS pumps in existing systems without control and communication.

Heating systems

- Main pump
- mixing loops
- domestic hot-water systems
- heating surfaces
- air-conditioning surfaces.

The MAGNA1 circulator pumps are designed for circulating liquids in heating systems with variable flows where it is desirable to optimise the setting of the pump duty point, thus reducing energy costs.

The pumps are also suitable for domestic hot-water systems.

To ensure correct operation, it is important that the sizing range of the system falls within the duty range of the pump.

Characteristic features

- Proportional-pressure control.
- Constant-pressure control.
- Constant-curve/constant-speed duty.
- No external motor protection required.
- Insulating shells supplied with single-head pumps for heating systems.
- Wide temperature range due to thermal separation of the control box and pump media.

Benefits

- Simple installation.
- LEDs indication of pump setting
- Low noise level.
- No maintenance and long life.
- The complete range is available for a maximum system pressure of 10 bar (PN 10).

Duty range

Data	MAGNA1 (N) Single-head pumps	MAGNA1 D Twin-head pumps
Maximum flow rate, Q	71 m ³ /h	110 m ³ /h
Maximum head, H	18 metres	
Maximum system pressure	10 MPa (10 bar)	
Liquid temperature	-10 to 110 °C	

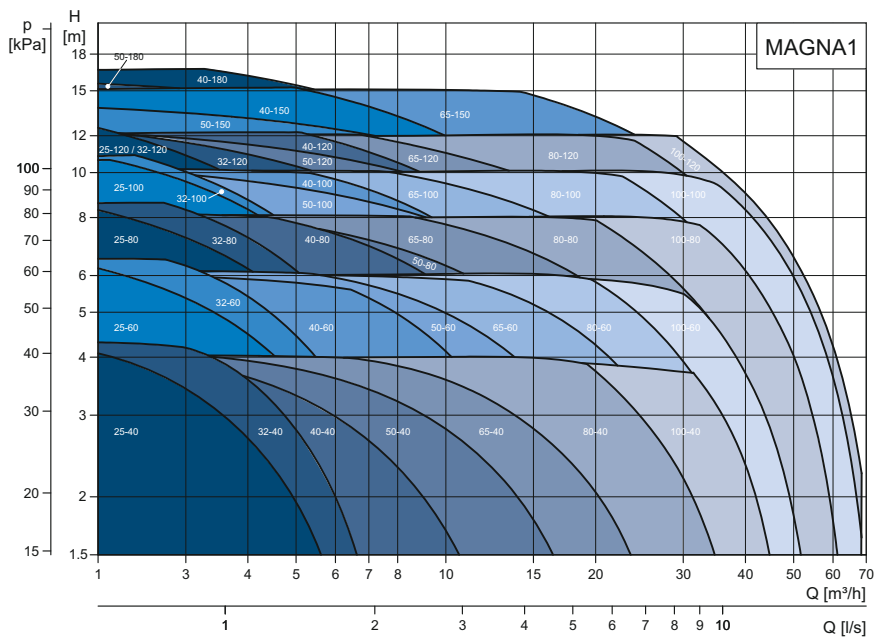
MAGNA1, cast-iron range

	DN 25	DN 32	DN 32 F	DN 40 F	DN 50 F	DN 65 F	DN 80 F	DN 100 F
xx-40	[Performance range bar]							
xx-60	[Performance range bar]							
xx-80	[Performance range bar]							
xx-100	[Performance range bar]							
xx-120	[Performance range bar]							
xx-150				[Performance range bar]				
xx-180					[Performance range bar]			

MAGNA1, stainless-steel range

	DN 25 (N)	DN 32 (N)	DN 32 F (N)	DN 40 F (N)	DN 50 F (N)	DN 65 F (N)
xx-40	[Performance range bar]					
xx-60	[Performance range bar]					
xx-80	[Performance range bar]					
xx-100	[Performance range bar]					
xx-120	[Performance range bar]					
xx-150				[Performance range bar]		
xx-180					[Performance range bar]	

Performance range, MAGNA1



Note: MAGNA1 32-120 is available both as a flange model and a threaded model but with different performance.

Further product documentation

<http://net.grundfos.com/qr/i/98091807>



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ECM: 1175622

Subject to alterations.