



GRUNDFOS Inline circulator pump series MAGNA1 cast iron male thread

The MAGNA1 is a cost-effective and high-performance circulation pump. The pump, equipped with parts being only of important relevance to the performance of its core task, requires little maintenance and has a long service life.

- Easy installation
- Low energy consumption. MAGNA1 pumps meet the requirements of EuP 2013 and 2015
- Nine possible pump settings
- Low noise level.
- Minimal maintenance and a long service life.
- Product range also available for a maximum system pressure of 16 bar.

Characteristics

Series: MAGNA1

Connection: External thread (BSPP)

Material pump casing: Cast iron

Material quality: EN-JL1040

Impeller material: Composite material

Quality class of impeller material: PES 30% GF

Frequency: 50/60Hz

Energy efficiency class: IE5

With rotational speed/frequency control: No

Level of protection (IP value): IPX4D [EN 60529]

Insulation class acc. to IEC: F

Double pump: No

Medium temperature: -10 / 110 °C

Ambient temperature: 0 / 40 °C

Application

- Designed for circulating liquids in: Heating systems.
- Air-conditioning and cooling systems.
- Domestic hot-water systems.
- Ground source heat-pump systems.
- Solar-heating systems.

Technical Information

Curve option and control modes:

- Proportional pressure.
- Constant pressure.
- Fixed pump speeds.

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System pressure:

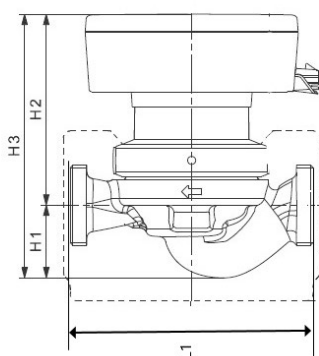
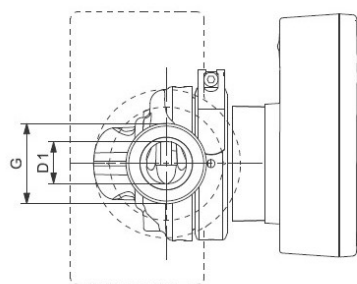
- The actual inlet pressure and the pump pressure against a closed valve must be less than the maximum permissible system pressure.

Maximum system pressure:

- Is to be found on the pump nameplate.

Sound pressure level:

- Less than 43 dB(A).



Size table:

Model	L1 mm	H1 mm	H2 mm	H3 mm	G mm	D1 mm
MAGNA1 25-80	180	54	142	196	1.1/2" [40]	25
MAGNA1 25-40	180	54	142	196	1.1/2" [40]	25
MAGNA1 25-60	180	54	142	196	1.1/2" [40]	25
MAGNA1 25-100	180	54	142	196	1.1/2" [40]	25
MAGNA1 25-120	180	54	142	196	1.1/2" [40]	25
MAGNA1 32-40	180	54	142	196	2" [50]	32
MAGNA1 32-60	180	54	142	196	2" [50]	32
MAGNA1 32-120	180	54	142	196	2" [50]	32
MAGNA1 32-100	180	54	142	196	2" [50]	32
MAGNA1 32-80	180	54	142	196	2" [50]	32

Model	Nominal inner diameter	Max. discharge head m	Pressure rating	Electrical connection	Connection voltage	Article
MAGNA1 25-80	1.1/2" [40]	8	PN10	Plug	1 x 230V AC	13643118
MAGNA1 25-40	1.1/2" [40]	4	PN10	Plug	1 x 230V AC	13643114
MAGNA1 25-60	1.1/2" [40]	6	PN10	Plug	1 x 230V AC	13643116
MAGNA1 25-100	1.1/2" [40]	10	PN10	Plug	1 x 230V AC	13643203
MAGNA1 25-120	1.1/2" [40]	12	PN10	Plug	1 x 230V AC	13643112
MAGNA1 32-40	2" [50]	4	PN10	Plug	1 x 230V AC	13643129
MAGNA1 32-60	2" [50]	6	PN10	Plug	1 x 230V AC	13643133
MAGNA1 32-120	2" [50]	12	PN10	Plug	1 x 230V AC	13643124
MAGNA1 32-100	2" [50]	10	PN10	Plug	1 x 230V AC	13643120
MAGNA1 32-80	2" [50]	8	PN10	Plug	1 x 230V AC	13643137

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