



GRUNDFOS Inline circulator pump series MAGNA1 stainless steel iron flange

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: Flange

Material pump casing: Stainless steel

Material quality: 1.4308

Impeller material: Composite material

Quality class of impeller material: PES 30% GF

Frequency: 50Hz

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:

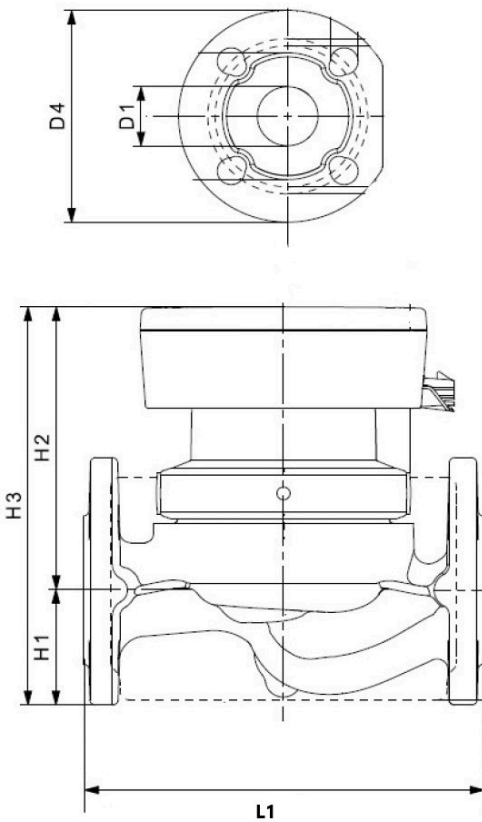
- Is to be found on the pump nameplate.

Sound pressure level:

- Less than 43 dB(A).

Size table:

Model	L1 mm	H1 mm	H2 mm	H3 mm	D1 mm	D4 mm
MAGNA1 32-40	220	65	142	207	32	140
MAGNA1 32-80	220	65	142	207	32	140
MAGNA1 32-60	220	65	142	207	32	140
MAGNA1 32-100	220	65	142	207	32	140
MAGNA1 32-120	220	65	301	366	32	140
MAGNA1 40-40	220	65	156	221	40	150
MAGNA1 40-60	220	65	156	221	40	150
MAGNA1 40-100	220	65	304	369	40	150
MAGNA1 40-80	220	65	304	369	40	150
MAGNA1 40-150	220	65	304	369	40	150
MAGNA1 40-180	220	65	304	369	40	150
MAGNA1 40-120	220	65	304	369	40	150
MAGNA1 50-60	240	71	304	374	50	165
MAGNA1 50-80	240	71	304	374	50	165
MAGNA1 50-150	280	71	304	374	50	165
MAGNA1 50-120	280	71	304	374	50	165
MAGNA1 50-100	280	71	304	374	50	165
MAGNA1 50-180	280	71	304	374	50	165
MAGNA1 65-40	340	74	312	386	65	185
MAGNA1 65-150	340	74	312	386	65	185
MAGNA1 65-80	340	74	312	386	80	185
MAGNA1 65-60	340	74	312	386	65	185
MAGNA1 65-120	340	74	312	386	65	185
MAGNA1 65-100	340	74	312	386	65	185



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Model	Nominal inner diameter	Max. discharge head m	Pressure rating	Electrical connection	Connection voltage	Article
MAGNA1 32-40	DN32	4	PN6/10	Plug	1 x 230V AC	13643131
MAGNA1 32-80	DN32	8	PN6/10	Plug	1 x 230V AC	13643139
MAGNA1 32-60	DN32	6	PN6/10	Plug	1 x 230V AC	13643135
MAGNA1 32-100	DN32	10	PN6/10	Plug	1 x 230V AC	13643122
MAGNA1 32-120	DN32	12	PN6/10	Connection terminal	1 x 230V AC	13643127
MAGNA1 40-40	DN40	4	PN6/10	Plug	1 x 230V AC	13643152
MAGNA1 40-60	DN40	6	PN6/10	Plug	1 x 230V AC	13643154
MAGNA1 40-100	DN40	10	PN6/10	Connection terminal	1 x 230V AC	13643142
MAGNA1 40-80	DN40	8	PN6/10	Connection terminal	1 x 230V AC	13643157
MAGNA1 40-150	DN40	15	PN6/10	Connection terminal	1 x 230V AC	13643147
MAGNA1 40-180	DN40	18	PN6/10	Connection terminal	1 x 230V AC	13643150
MAGNA1 40-120	DN40	12	PN6/10	Connection terminal	1 x 230V AC	13643145
MAGNA1 50-60	DN50	6	PN6/10	Connection terminal	1 x 230V AC	13643170
MAGNA1 50-80	DN50	8	PN6/10	Connection terminal	1 x 230V AC	13643173
MAGNA1 50-150	DN50	15	PN6/10	Connection terminal	1 x 230V AC	13643165
MAGNA1 50-120	DN50	12	PN6/10	Connection terminal	1 x 230V AC	13643162
MAGNA1 50-100	DN50	10	PN6/10	Connection terminal	1 x 230V AC	13643160
MAGNA1 50-180	DN50	18	PN6/10	Connection terminal	1 x 230V AC	13643168
MAGNA1 65-40	DN65	4	PN6/10	Connection terminal	1 x 230V AC	13643184
MAGNA1 65-150	DN65	15	PN6/10	Connection terminal	1 x 230V AC	13643182
MAGNA1 65-80	DN65	8	PN6/10	Connection terminal	1 x 230V AC	13643190
MAGNA1 65-60	DN65	6	PN6/10	Connection terminal	1 x 230V AC	13643187
MAGNA1 65-120	DN65	12	PN6/10	Connection terminal	1 x 230V AC	13643179
MAGNA1 65-100	DN65	10	PN6/10	Connection terminal	1 x 230V AC	13643176

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