

New MAGNA1 model C circulator pumps



TM05 5862 4112 - TM06 6741 2316

New MAGNA1 model C circulator pumps are designed for circulating liquids in the following systems:

- heating systems
 - main pump
 - mixing loops
 - domestic hot-water systems
 - heating surfaces
 - air-conditioning surfaces
- air-conditioning and cooling systems
- ground source heat pump systems
- solar-heating systems.

MAGNA1 is a price-fighting model to gain orders within project sales. 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.

The 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.

Furthermore, the pumps are suitable for domestic hot-water systems.

External control and monitoring

Monitoring and controlling your system reduces the overall system downtime. MAGNA1 model C offers several ways of meeting this demand, namely via the digital start/stop, fault relay output and wireless twin-head pump function.

Characteristic features

- Proportional-pressure control
- constant-pressure control
- constant-curve or 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

- Fault relay
- Digital input (start/stop)
- Wireless multipump function with time based alternation
- 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 16 bar (PN 16).

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 m	
Maximum system pressure	1.6 MPa (16 bar)	
Liquid temperature	-10 to 110 °C	

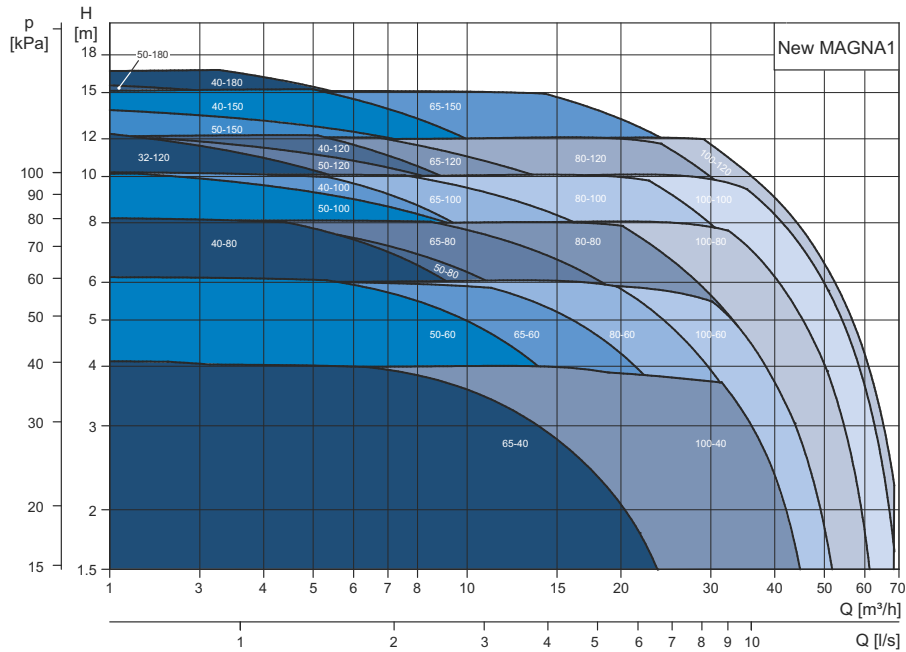
MAGNA1 and MAGNA1 D, cast-iron range

	DN 32 F	DN 40 F	DN 50 F	DN 65 F	DN 80 F	DN 100 F
xx-40			Only D		Only D	
xx-60						
xx-80						
xx-100						
xx-120						
xx-150						
xx-180						

MAGNA1, stainless-steel range

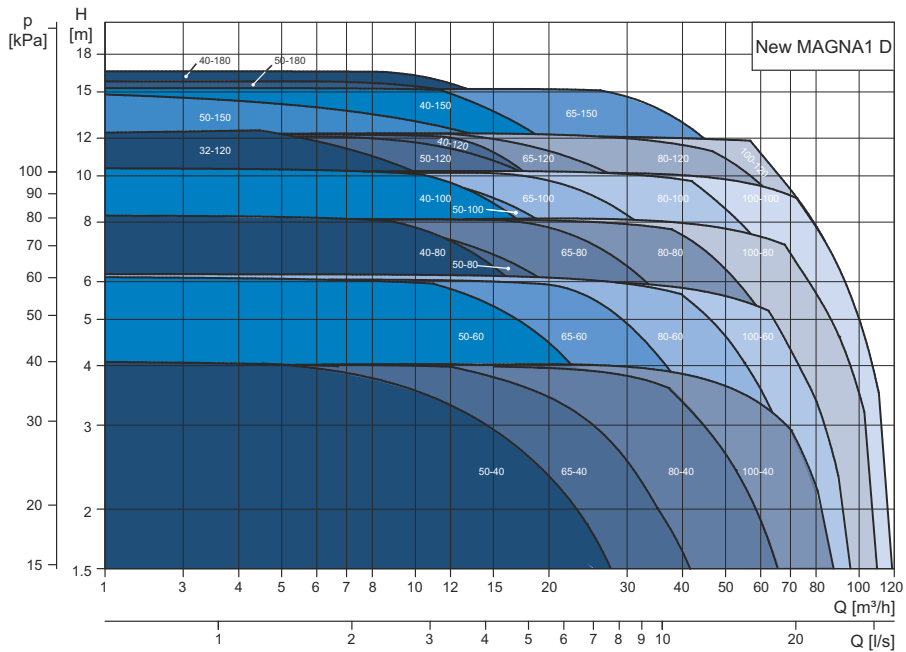
	DN 32 F (N)	DN 40 F (N)	DN 50 F (N)	DN 65 F (N)
xx-40				
xx-60				
xx-80				
xx-100				
xx-120				
xx-150				
xx-180				

Performance range, MAGNA1



TM06 8277 0317

Performance range, MAGNA1 D, twin-head operation



TM06 8279 0317



Further product documentation
<http://net.grundfos.com/qr/i/99234565>

99237760 0617
 ECM: 1202554

Subject to alterations.