

High Efficiency, All Purpose Circulator Pump

GRUNDFOS **MAGNA1**

The MAGNA1 is a high efficiency, high-performance circulator designed for pumping liquids in commercial heating and cooling applications where simple control and communication is desired. The MAGNA1 is built with 65+ years of hydronic experience and is an ideal retrofit solution for fixed speed pumps.

KEY FEATURES AND BENEFITS

- Intelligent control mode options ensure the MAGNA1 is optimized to meet application demands:
 - Three defined proportional pressure curve settings
 - Three defined constant pressure curve settings
 - Three defined constant curve/constant speed settings
- Electronically commutated motor uses less than 50% of the energy of a standard motor
- 360 [mNm] starting torque clears pump of system debris and sediment
- Magnetite resistant design ensures longer pump lifespan
- Full range of circulators in both cast-iron and stainless steel
- Integrated pump, motor and control saves time and expense with easy installation
- Easy to use, intuitive controls with LED indicator
- Wet rotor design allows for maintenance free and quiet operation
- Innovative Grundfos Eye provides visual indication of pump status: pump running, warning or alarm
- No external motor protection required
 - Insulating shells supplied with cast iron pumps



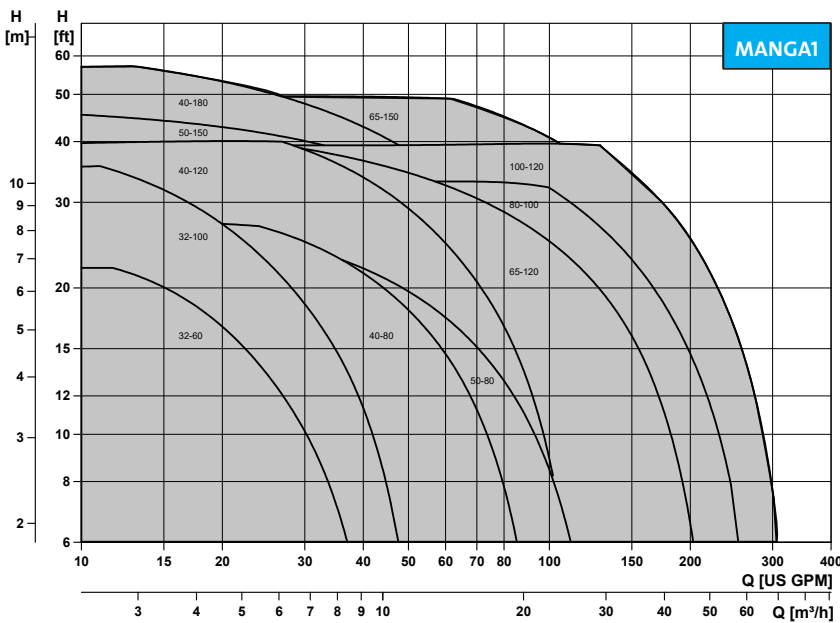
APPLICATIONS

- Heating & cooling
- Ground source heat pump systems
- Hydronic venting
- Chilled water
- Snow melt
- Hot water recirculation

TECHNICAL DATA

MAGNA1 (ALL MODELS)	
FLOW, Q:	max. 313 gpm
HEAD, H:	max. 59 ft
MOTOR:	11 x 115V, 115-230V & 208-230V, 50/60 Hz
WORKING PRESSURE:	max. 175 psi
LIQUID TEMPERATURE:	14°F to 230°F
APPROVALS:	ANSI/UL Standard 778 CAN/CSA Standard C22.2 No. 108

PERFORMANCE DATA



PUMP MODEL	CAST IRON			STAINLESS STEEL		
	115V	115-230V	208-230V	115V	115-230V	208-230V
MAGNA1 32-60 F (N)	•	98126819	•	•	98126821	•
MAGNA1 32-100 F (N)	•	98126823	•	•	98126825	•
MAGNA1 40-80 F (N)	98126799	•	98126827	98126801	•	98126829
MAGNA1 40-120 F (N)	98126803	•	98126831	98126805	•	98126833
MAGNA1 40-180 F (N)	98126807	•	98126835	98126809	•	98126837
MAGNA1 50-80 F (N)	98126811	•	98126839	98126813	•	98126841
MAGNA1 50-150 F (N)	98126815	•	98126843	98126817	•	98126845
MAGNA1 65-120 F (N)	98124695	•	98126847	98126853	•	98126849
MAGNA1 65-150 F (N)	•	•	98126851	•	•	98126853
MAGNA1 80-100 F (N)	•	•	98126855	•	•	98126857
MAGNA1 100-120 F (N)	•	•	98126859	•	•	98126861

Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.