



Pozīcija	Daudz.	Apraksts	Viena cena
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1 **MAGNA3 50-120 F**



Uzmanību! Izstrādājuma attēls var atšķirties no faktiskā izstrādājuma izskata.

Izstrādājuma Nr.: [97924291](#)

MAGNA3 – More than a pump

With its unrivalled efficiency, all-encompassing range and built-in communication capabilities plus functionalities replacing system components, the MAGNA3 is ideal for engineers and specifiers looking to create high-performance systems for buildings.

This pump in the Grundfos Master Class will fit both heating and cooling applications perfectly, making it the obvious choice for almost any building project – old or new.

The MAGNA3 is of the canned-rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid.

The innovative clamp with only one screw enables easy repositioning of the pump head.

The MAGNA3 is a pump with no maintenance requirements and with extremely low Life Cycle Cost.

The pump is characterised by the following:

- controller integrated in the control box
- control panel with TFT display on the control box
- control box prepared for optional CIM modules
- built-in differential-pressure and temperature sensor
- cast-iron pump housing (depending on model)
- carbon-fibre-reinforced composite rotor can
- stainless-steel bearing plate and rotor cladding
- aluminium alloy stator housing
- air-cooled power electronics

The MAGNA3 is a single-phase pump.

Characteristic features

- AUTOADAPT.
- FLOWADAPT and FLOWLIMIT (more than a pump function as it reduces the need for pump throttling valves).
- Proportional-pressure control.
- Constant-pressure control.
- Constant-temperature control.
- Constant-curve duty.
- Max. or min. curve duty.
- Automatic Night Setback.
- No external motor protection required.
- Insulating shells supplied with single-head pumps for heating systems.

- Large temperature range where the liquid temperature and the ambient temperature are independent of each other.

Communication

The MAGNA3 enables communication via the following:

- wireless Grundfos GO Remote
- fieldbus communication via CIM modules
- digital inputs
- relay outputs
- analog input (more than a pump function as heat energy meter)

Motor and electronic controller

The MAGNA3 incorporates a 4-pole synchronous, permanent-magnet motor (PM motor). This motor type is characterised by higher efficiency than a conventional asynchronous squirrel-cage motor.

The pump speed is controlled by an integrated frequency converter.

A differential-pressure and temperature sensor is incorporated in the pump.

Šķidrums:

Sūkņamais šķidrums: Ūdens
Šķidruma temperatūras diapazons: 263 .. 383 K
Liquid temp: 293 K
Blīvums: 998.2 kg/m³

Technical:

TF klase: 110
Apstiprinājumi pases datu plāksnītē: CE,VDE,PCT

Materiāli:

Sūkņa korpusa: Čuguns
EN-GJL-250
ASTM A48-250B
Sūkņgrats: PES 30%GF

Uzstādīšana:

Apkārtējās vides temperatūras diapazons: 273 .. 313 K
Maks. darba spiediens: 1600 kPa
Standarta atloks: DIN
Pievienojums: DN 50
Spiediena pakāpe: PN16
Garums no viena pievienojuma līdz otram: 280 mm

Elektriskie dati:

Ieejas jauda P1: 20 .. 536 W
Maksimālais strāvas patēriņš: 0.22 .. 2.37 A
Tīkla frekvence: 50 Hz
Nominālais spriegums: 1 x 230 V
Korpasa klase (IEC 34-5): X4D
Izolācijas klase (IEC 85): F

Citi:

Label: Grundfos Blueflux
Energy (EEI): 0.18
Neto svars: 18.2 kg
Bruto svars: 20.3 kg
Piegādes tilpums: 0.046 m³

Apraksts	Vērtība
Izstrādājuma nosaukums:	MAGNA3 50-120 F
Izstrādājuma Nr.:	97924291
EAN numurs:	5710626493661
Technical:	
Maks. sūkn. augstums:	12 m
TF klase:	110
Apstiprinājumi pases datu plāksnītē:	CE, VDE, PCT
Modelis:	A
Materiāli:	
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