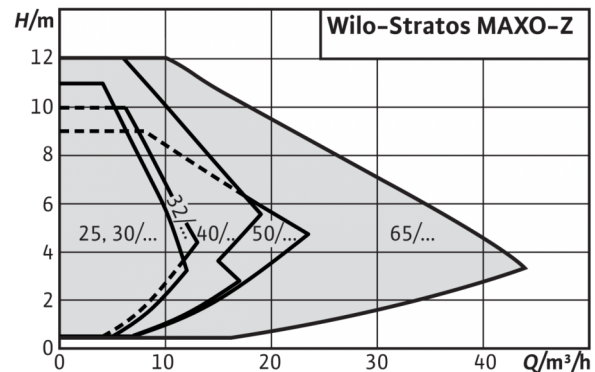


Series description: Wilo-Stratos MAXO-Z

Wilo-Stratos MAXO-Z



Wilo-Stratos MAXO-Z



The Wilo-Stratos MAXO-Z has specifically been developed for drinking water applications and combines the innovative characteristics of the Wilo-Stratos MAXO

with a stainless steel housing. The durable and hygienic material sets it apart from other domestic hot water circulators

on the market.

Design type

Smart glandless circulator with screwed connection or flange connection, EC motor with integrated electronic power adjustment

Application

Domestic hot water circulation systems of all kinds, hot-water heating systems of all kinds, air-conditioning, closed cooling circuits, industrial circulation systems

Equipment/function

Field of application

The pump facilitates an operation with highest system efficiency via precise setting of the control mode for the system-specific application (e.g. radiator, underfloor heating, ceiling cooling).

Heating

- Radiator
- Underfloor heating
- Ceiling heating
- Fan heater
- Hydraulic shunt
- Heat exchanger

Cooling

- Ceiling cooling
- Underfloor cooling
- Air-conditioning devices
- Hydraulic shunt
- Heat exchanger

Heating and cooling combined

- Automatic switchover

The following control modes are available depending on the selected application:

Control modes

- Constant speed (control mode)
- $\Delta p-c$ for constant differential pressure
- $\Delta p-v$ for variable differential pressure
- Dynamic Adapt plus for continuous (dynamic) adjustment of the delivery rate to the current requirement
- T-const. for constant temperature regulation
- ΔT for differential temperature control
- Constant Q for constant volume flow control
- Multi-Flow Adaptation: Total volume flow determination through the feeder pump for the needs-based supply of secondary pumps in the heating circuit distributors
- User-defined PID controller

Special features/product advantages

- Intuitive operation by means of application-guided settings with the Setup Guide plus the combination of a new display and operating button using Green Button Technology.
- Highest standard of drinking water hygiene and energy efficiency with the new, innovative, intelligent T-const. control function.
- Optimum hygiene promotion through thermal disinfection detection.
- Latest communication interfaces (e.g. Bluetooth) for connection to mobile devices and direct pump networking for multiple pump control via Wilo Net.
- Maximum convenience in electrical installation thanks to a clearly arranged and spacious terminal room and the optimised Wilo-Connector.

Series description: Wilo-Stratos MAXO-Z

Equipment/function

Scope of delivery

- Pump
- Optimised Wilo-Connector
- 2x threaded cable connection M16 x 1.5
- Washers for flange screws (for nominal connection diameters DN 32 - DN 65)
- Including gaskets for threaded connection
- Thermal insulation
- Installation and operating instructions

Type key

Example: Stratos MAXO	Wilo-Stratos MAXO-Z 40/0,5-8 High-efficiency pump (screw-end or flange-end pump), electronically controlled
Z	Single pump for domestic hot water circulation
40/	Nominal connection diameter
0,5-8	Nominal delivery head range [m]

Technical data

- Permissible temperature range
 - Drinking water up to 3.57 mmol/l (20 °dH): 0 °C to +80 °C
 - Heating water: -10 °C to +110 °C
- Mains connection 1~230 V, 50/60 Hz
- Protection class IPX4D
- Screwed connection or flange connection (depending on type) Rp 1 to DN 65
- Max. operating pressure of standard version: 6/10 bar (special version: 16 bar)

Materials

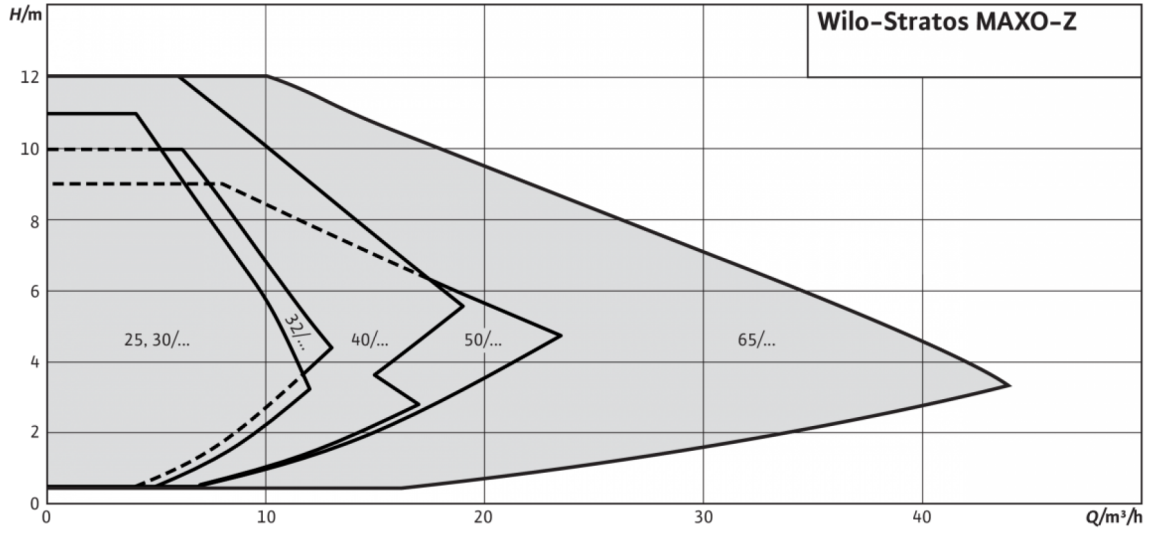
- Pump housing made of stainless steel
- Thermal insulation: polypropylene
- Impeller: Plastic
- Shaft: Stainless steel
- Bearing: carbon

Description/construction

- Smart glandless circulator with EC motor and integrated electronic power adjustment
- Green Button Technology and graphic display
- Motor protection with trip electronics
- Plug connection for functional extension with optional CIF module for building automation (BA)
- Impeller with three-dimensionally curved blades and plastic sealing tube made of carbon fibre composite material

Duty chart: Wilo-Stratos MAXO-Z

Wilo-Stratos MAXO-Z



Product list: Wilo-Stratos MAXO-Z

Product description	Mains connection	Energy efficiency index (EEI)	Maximum operating pressure <i>PN</i>	Pump connection	Port-to-port length <i>l</i> 0	Gross weight, approx. <i>m</i>	Article number
Stratos MAXO-Z 25/0,5-6	1~230 V, 50/60 Hz	0.18	10 bar	G 1½	180 mm	8.6 kg	2186243
Stratos MAXO-Z 25/0,5-8	1~230 V, 50/60 Hz	0.19	10 bar	G 1½	180 mm	8.6 kg	2186244
Stratos MAXO-Z 25/0,5-12	1~230 V, 50/60 Hz	0.19	10 bar	G 1½	180 mm	8.9 kg	2186245
Stratos MAXO-Z 30/0,5-6	1~230 V, 50/60 Hz	0.18	10 bar	G 2	180 mm	8.6 kg	2186246
Stratos MAXO-Z 30/0,5-8	1~230 V, 50/60 Hz	0.19	10 bar	G 2	180 mm	8.6 kg	2186247
Stratos MAXO-Z 30/0,5-12	1~230 V, 50/60 Hz	0.19	10 bar	G 2	180 mm	8.9 kg	2186248
Stratos MAXO-Z 32/0,5-8	1~230 V, 50/60 Hz	0.18	10 bar	DN 32	220 mm	15.2 kg	2186249
Stratos MAXO-Z 32/0,5-12	1~230 V, 50/60 Hz	0.18	10 bar	DN 32	220 mm	15.5 kg	2186250
Stratos MAXO-Z 40/0,5-8	1~230 V, 50/60 Hz	0.19	10 bar	DN 40	220 mm	17.9 kg	2186251
Stratos MAXO-Z 40/0,5-12	1~230 V, 50/60 Hz	0.17	10 bar	DN 40	250 mm	21.9 kg	2186252
Stratos MAXO-Z 50/0,5-9	1~230 V, 50/60 Hz	0.17	10 bar	DN 50	280 mm	20.1 kg	2186253
Stratos MAXO-Z 65/0,5-12	1~230 V, 50/60 Hz	0.17	10 bar	DN 65	340 mm	37.5 kg	2186254
Stratos MAXO-Z 25/0,5-6	1~230 V, 50/60 Hz	0.18	16 bar	G 1½	180 mm	8.6 kg	2186307
Stratos MAXO-Z 25/0,5-8	1~230 V, 50/60 Hz	0.19	16 bar	G 1½	180 mm	8.6 kg	2186308
Stratos MAXO-Z 25/0,5-12	1~230 V, 50/60 Hz	0.19	16 bar	G 1½	180 mm	8.9 kg	2186309
Stratos MAXO-Z 30/0,5-6	1~230 V, 50/60 Hz	0.18	16 bar	G 2	180 mm	8.6 kg	2186310
Stratos MAXO-Z 30/0,5-8	1~230 V, 50/60 Hz	0.19	16 bar	G 2	180 mm	8.6 kg	2186311
Stratos MAXO-Z 30/0,5-12	1~230 V, 50/60 Hz	0.19	16 bar	G 2	180 mm	8.9 kg	2186312
Stratos MAXO-Z 32/0,5-8	1~230 V, 50/60 Hz	0.18	16 bar	DN 32	220 mm	15.2 kg	2186313
Stratos MAXO-Z 32/0,5-12	1~230 V, 50/60 Hz	0.18	16 bar	DN 32	220 mm	15.5 kg	2186314
Stratos MAXO-Z 40/0,5-8	1~230 V, 50/60 Hz	0.19	16 bar	DN 40	220 mm	17.9 kg	2186315
Stratos MAXO-Z 40/0,5-12	1~230 V, 50/60 Hz	0.17	16 bar	DN 40	250 mm	21.9 kg	2186316
Stratos MAXO-Z 50/0,5-9	1~230 V, 50/60 Hz	0.17	16 bar	DN 50	280 mm	20.1 kg	2186317



Product list: Wilo-Stratos MAXO-Z

Product description	Mains connection	Energy efficiency index (EEI)	Maximum operating pressure <i>PN</i>	Pump connection	Port-to-port length <i>l0</i>	Gross weight, approx. <i>m</i>	Article number
Stratos MAXO-Z 65/0,5-12	1~230 V, 50/60 Hz	0.17	16 bar	DN 65	340 mm	37.5 kg	2186318