

Yonos PICO-Z 20/0,5-8 150

Glandless pump circulator

Article number: 4255414

Data sheet

Hydraulic data

Maximum operating pressure *PN*	10 bar
Max. fluid temperature T_{max}	95 °C
Min. fluid temperature T_{min}	2 °C
Min. ambient temperature T_{min}	-10 °C
Max. ambient temperature T_{max}	40 °C
Temperature range at max. ambient temperature +40 °C *T*	+2...+70 °C
Max. permitted total water hardness	3.57 mmol/l (20°dH)

Motor data

Mains connection	1~230 V, 50/60 Hz
Rated power P_2	58 W
Rated current I_N	0.7 A
Min. speed n_{min}	500 1/min
Max. speed n_{max}	4800 1/min

Motor data

Power consumption $P_{1\ min}$	4 W
Power consumption $P_{1\ max}$	75 W
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Electromagnetic compatibility	EN 61800-3
Insulation class	F
Protection class motor	IPX4D
Speed control	Frequency converter
Motor protection	integrated

Materials

Pump housing	Stainless steel
Impeller	PPO-GF30
Shaft	Oxide ceramic
Bearing	Carbon-graphite

Installation dimensions

Port-to-port length *L0*	150 mm

Equipment/function

Function

Control mode	Δp-c for constant differential pressure Constant speed (3 speed stages) Constant speed (n-const.)
Display	Actual volume flow Actual power consumption
Pump venting function	Manual

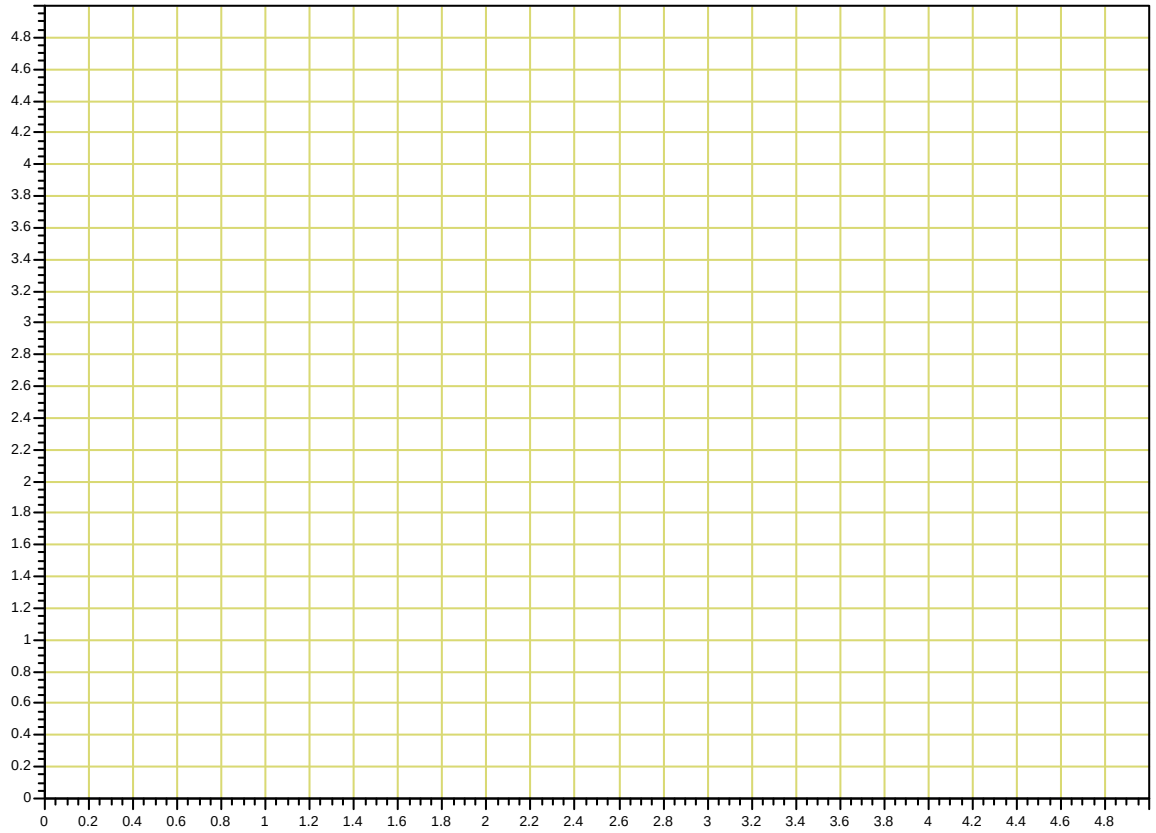
Equipment

Approvals and labels	CE VDE EAC UKCA TR RCM

Equipment

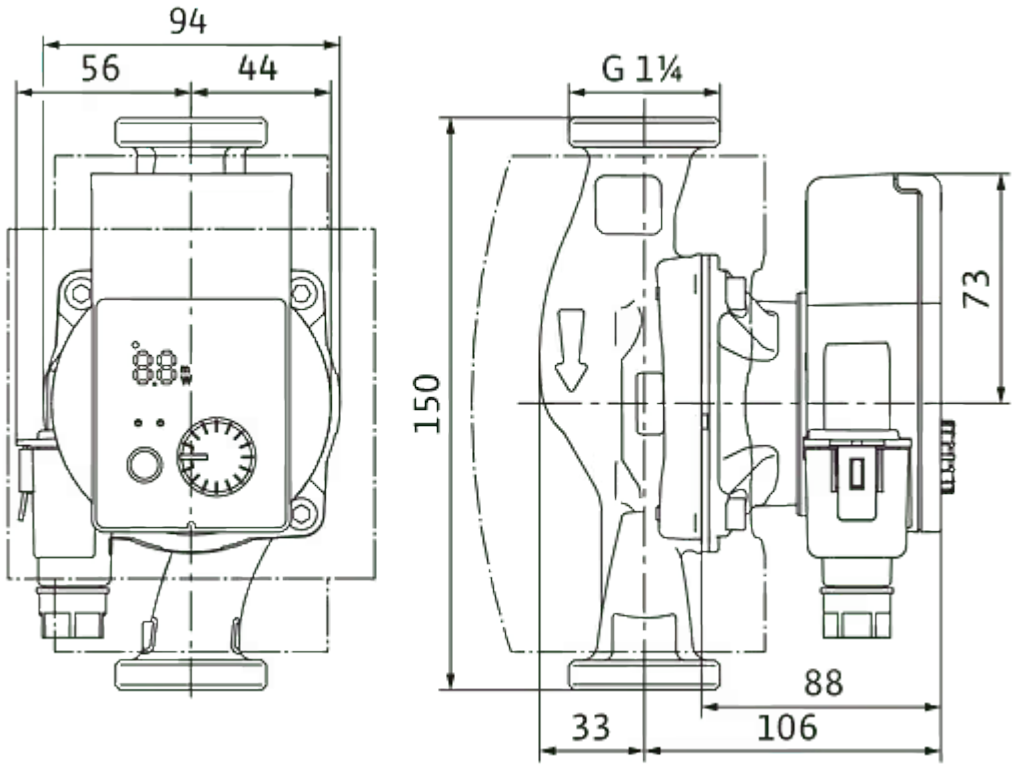
Display	LED segment display
Display information	Basic Versio n: LED display (small) for showing the set head or speed stage.
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo Connector
Thermal insulation shell	Yes
Operating elements	Green button

Pump curves


4.8
4.6
4.4
4.2
4
3.8
3.6
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4 4.6 4.8

Dimensions and dimensions drawings

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Tender text

This circulator is suitable only for drinking water.

Maintenance-free domestic hot water circulator (glandless pump version) with screwed connection, blocking-current proof synchronous motor according to ECM technology and built-in electronic power control for continuous differential pressure control. Suitable for all domestic hot water systems (+2 to +95 °C).

Standard-equipped with:

- Preselectable control modes for optimum load adjustment:
  - Δp-c for constant differential pressure
  - Constant speed (3 constant speed stages)
  - Constant speed (continuously adjustable)
- LED display for setting the setpoint, displaying current consumption in watts and flow rate in m^3/h, as well as displaying fault and warning messages (error codes)
- Integrated motor protection
- Automatic deblocking function
- Manual pump venting function for venting the rotor chamber
- Manual restart
- Pump housing made of stainless steel
- Quick electrical connection with Wilo-Connector
- Thermal insulation shell

Operating data

Max. fluid temperature T_{max}	95 °C
Min. fluid temperature T_{min}	2 °C
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Max. ambient temperature T_{max}	40 °C
Temperature range at max. ambient temperature +40 °C *T*	+2...+70 °C
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Motor data

Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Mains connection	1~230 V, 50/60 Hz
Power consumption $P_{1\ max}$	75 W
Max. speed n_{max}	4800 1/min
Rated current I_N	0.7 A
Protection class motor	IPX4D
Threaded cable connection	1 x PG11

Materials

Pump housing	Stainless steel
Impeller	PPO-GF30
Shaft	Oxide ceramic
Bearing	Carbon-graphite

Installation dimensions

Pump connection	G 1¼
Pump connection (alternative designation)	RP 3/4 DN 20
Port-to-port length *L0*	150 mm

Ordering information

Brand	Wilo
Product description	Yonos PICO-Z 20/0,5-8 150
Net weight, approx. *m*	1.9 kg
Article number	4255414

Mechanical accessories

Product description	Article number
Screwed connection Rp ¾ x G 1¼, 1 Set	4233251

Electrical accessories

Product description	Article number
Switchgear SK 601N	2120443
Wilo-Connector	4200870