

Yonos PICO-Z 20/0,5-6 150

Glandless pump circulator

Article number: 4255413

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	30 W
Rated current I_N	0.44 A
Min. speed n_{min}	700 1/min
Max. speed n_{max}	4200 1/min

Motor data

Power consumption $P_{1\ min}$	4 W
Power consumption $P_{1\ max}$	40 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

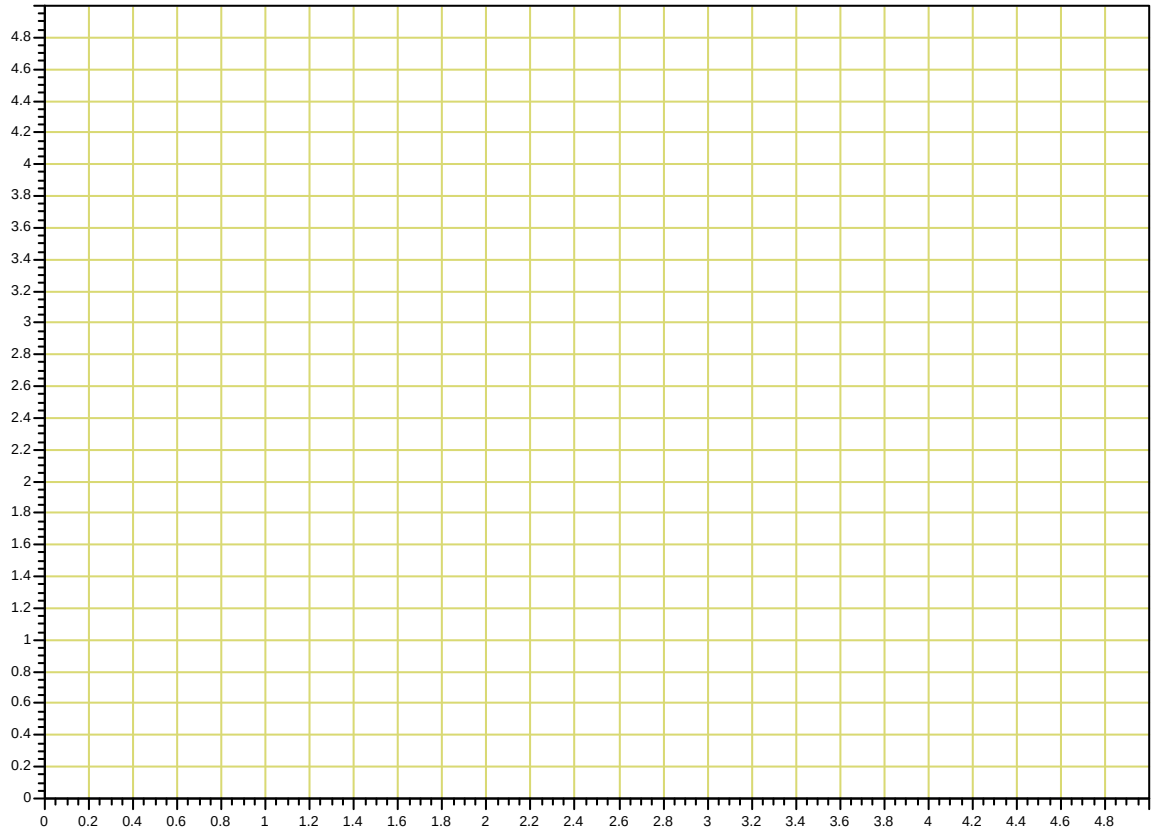
Equipment

Approvals and labels	CE VDE EAC UKCA TR RCM

Equipment

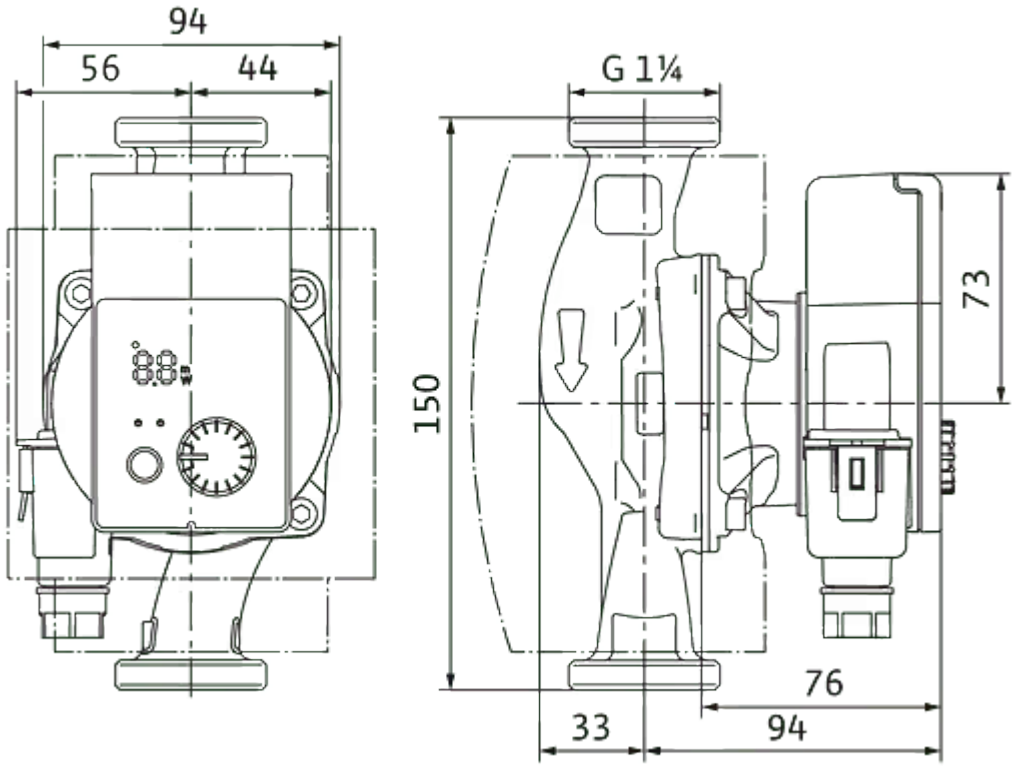
Display	LED segment display
Display information	Basic Versio n: LED display (small) for showing the set head or speed stage.
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo Connector
Thermal insulation shell	Yes
Operating elements	Green button

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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Motor data

Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Mains connection	1~230 V, 50/60 Hz
Power consumption $P_{1\ max}$	40 W
Max. speed n_{max}	4200 1/min
Rated current I_N	0.44 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

Ordering information

Brand	Wilo
Product description	Yonos PICO-Z 20/0,5-6 150
Net weight, approx. *m*	1.5 kg
Article number	4255413

Installation dimensions

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

Electrical accessories

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

Services

Product description	Article number
Supervision Glandless pumps	2219320
Commissioning Glandless pumps	2219390
Maintenance BASIC Glandless pumps	2219530
Maintenance COMFORT Glandless pumps	2219416
Maintenance PREMIUM Glandless pumps	2219545
Repair Glandless pumps	2219609