

Wilo-TOP-Z





Your advantages

- > Direction of rotation signal lamp for displaying the correct sense of rotation (only with 3~)
- > With thermal insulation as standard

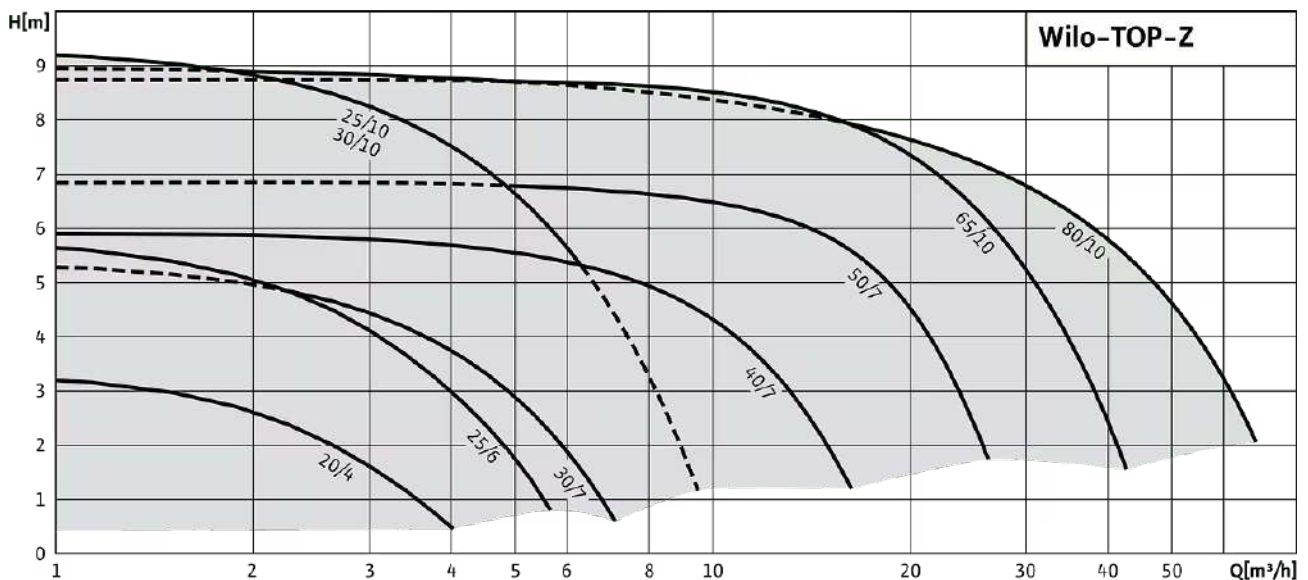
Recommended services



System Optimisation



Energy Solutions



Design

Glandless circulator with screwed connection or flange connection. Pre-selectable speed stages for power adjustment

Application

Domestic hot water circulation systems in industry and building services.

Equipment/function

Operating modes

- > Speed-stage switching

Manual functions

- > Setting the speed stages: 3 speed stages

Automatic functions

- > Internal protection against unacceptably high winding temperatures (only for pumps with $P_2 < 180$ W, optional for all types with switchgears SK 602N and SK 622N).

Signal and display functions

- > Thermal winding contact (WSK, potential-free NC contact) (only for pumps with $P_2 \geq 180$ W)
- > Direction of rotation signal lamp (only for 3~ pumps)

Equipment

- > For flange-end pumps: Flange versions
 - > Standard version for DN 40 to DN 65 pumps: PN 6/10 combination flange (PN 16 flange according to EN 1092-2) for PN 6 and PN 16 counter flanges,
 - > Standard version for pumps DN 80: PN 6 flange (designed for PN 16 according to EN 1092-2) for PN 6 counter flange
 - > Special version for DN 40 to DN 80 pumps: PN 16 flange (according to EN 1092-2) for PN 16 counter flange,
- > Cable inlet possible from both sides (only for 1~pumps and 3~pumps with $P_2 \geq 180$ W)
- > Thermal insulation as standard

Typekey

Example: **Wilo-TOP-Z 40/7**

TOP Standard pump (screw-end pump or flange-end pump)

-Z Single pump for domestic hot water circulation

40/ Nominal connection diameter

Technical data

- > Permissible temperature range
 - > TOP-Z 20/4 and TOP-Z 25/6 drinking water up to 3.21 mmol/l (18 °dH): max. +65 °C, in short-term operation (2 h) up to +80 °C
 - > from TOP-Z 25/10 drinking water up to 3.57 mmol/l (20 °dH): max. +80 °C, in short-term operation (2 h) up to +110 °C
- > Mains connection:
 - > 1~230 V, 50 Hz (depending on type)
 - > 3~230 V, 50 Hz (with optional switching plug)
 - > 3~400 V, 50 Hz
- > Protection class IP X4D
- > Screwed connection or flange connection (depending on type) Rp ¾ to DN 80
- > Max. operating pressure of standard version: 6/10 bar or 6 bar (special version: 10 bar or 16 bar)

Materials

- > Pump housing: Stainless steel/red brass/grey cast iron (depending on type)
- > Impeller: Plastic
- > Shaft: Stainless steel/ceramic (depending on type)
- > Bearing: Carbon, synthetic resin impregnated

Scope of delivery

- > Pump
- > Thermal insulation
- > Gaskets for threaded connection
- > Washers for flange screws (for nominal connection diameters DN 40 – DN 65)
- > Installation and operating instructions

Options

- > Special versions for operating pressure PN 16
- > Version for special voltage on request

Accessories

- > Screwed connections for threaded connection
- > Adapter fittings
- > Wilo-SK 601N timer switchgear
- > For pumps 3~400 V:
 - > Switching plug 3~230 V, 50 Hz
 - > Wilo SK 602N/SK 622N tripping unit for full motor protection
- > For pumps 1~230 V:
 - > Wilo SK 602N/SK 622N tripping unit for full motor protection

Product list

Product description	Pump connection	Port-to-port length <i>L</i> 0	Maximum operating pressure <i>P</i> N	Mains connection	Pump housing material	Gross weight, approx. <i>m</i>	Pieces per pallet	Article number
TOP-Z 20/4 (1~230 V, PN 10, Inox)	G 1½	150 mm	10 bar	1~230 V, 50 Hz	Stainless steel	3.7 kg	96	2045519
TOP-Z 20/4 (3~400 V, PN 10, Inox)	G 1½	150 mm	10 bar	3~400 V, 50 Hz	Stainless steel	3.8 kg	96	2045520
TOP-Z 25/6 (1~230 V, PN 10, Inox)	G 1½	180 mm	10 bar	1~230 V, 50 Hz	Stainless steel	4.1 kg	96	2045521
TOP-Z 25/6 (3~400 V, PN 10, Inox)	G 1½	180 mm	10 bar	3~400 V, 50 Hz	Stainless steel	4.1 kg	96	2045522
TOP-Z 25/10 (1~230 V, PN 10, RG)	G 1½	180 mm	10 bar	1~230 V, 50 Hz	Bronze, CC499K	7.8 kg	96	2061964
TOP-Z 25/10 (1~230 V, PN 16, RG)	G 1½	180 mm	16 bar	1~230 V, 50 Hz	Bronze, CC499K	7.8 kg	96	2086131
TOP-Z 25/10 (3~400 V, PN 10, RG)	G 1½	180 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	7.8 kg	96	2175509
TOP-Z 25/10 (3~400 V, PN 16, RG)	G 1½	180 mm	16 bar	3~400 V, 50 Hz	Bronze, CC499K	7.8 kg	96	2175510
TOP-Z 30/7 (1~230 V, PN 10, RG)	G 2	180 mm	10 bar	1~230 V, 50 Hz	Bronze, CC499K	6 kg	96	2048340
TOP-Z 30/7 (3~400 V, PN 10, RG)	G 2	180 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	5.9 kg	96	2048341
TOP-Z 30/10 (1~230 V, PN 10, RG)	G 2	180 mm	10 bar	1~230 V, 50 Hz	Bronze, CC499K	7.6 kg	96	2059857
TOP-Z 30/10 (1~230 V, PN 16, RG)	G 2	180 mm	16 bar	1~230 V, 50 Hz	Bronze, CC499K	7.6 kg	96	2115863
TOP-Z 30/10 (3~400 V, PN 10, RG)	G 2	180 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	7.8 kg	96	2175512
TOP-Z 30/10 (3~400 V, PN 16, RG)	G 2	180 mm	16 bar	3~400 V, 50 Hz	Bronze, CC499K	7.7 kg	96	2175513
TOP-Z 40/7 (1~230 V, PN 6/10, GG)	DN 40	250 mm	10 bar	1~230 V, 50 Hz	Grey cast iron	12.4 kg	45	2046631
TOP-Z 40/7 (1~230 V, PN 6/10, RG)	DN 40	250 mm	10 bar	1~230 V, 50 Hz	Bronze, CC499K	14.2 kg	45	2046637
TOP-Z 40/7 (1~230 V, PN 16, GG)	DN 40	250 mm	16 bar	1~230 V, 50 Hz	Grey cast iron	12.4 kg	45	2071094
TOP-Z 40/7 (1~230 V, PN 16, RG)	DN 40	250 mm	16 bar	1~230 V, 50 Hz	Bronze, CC499K	14.2 kg	45	2070569
TOP-Z 40/7 (3~400 V, PN 6/10, GG)	DN 40	250 mm	10 bar	3~400 V, 50 Hz	Grey cast iron	12 kg	45	2175515
TOP-Z 40/7 (3~400 V, PN 6/10, RG)	DN 40	250 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	14.2 kg	45	2175516
TOP-Z 40/7 (3~400 V, PN 16, GG)	DN 40	250 mm	16 bar	3~400 V, 50 Hz	Grey cast iron	12.4 kg	45	2175517
TOP-Z 40/7 (3~400 V, PN 16, RG)	DN 40	250 mm	16 bar	3~400 V, 50 Hz	Bronze, CC499K	14.2 kg	45	2175518
TOP-Z 50/7 (3~400 V, PN 6/10, GG)	DN 50	280 mm	10 bar	3~400 V, 50 Hz	Grey cast iron	17.9 kg	28	2175521
TOP-Z 50/7 (3~400 V, PN 6/10, RG)	DN 50	280 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	20.7 kg	28	2175522
TOP-Z 50/7 (3~400 V, PN 16, GG)	DN 50	280 mm	16 bar	3~400 V, 50 Hz	Grey cast iron	18 kg	28	2175523
TOP-Z 50/7 (3~400 V, PN 16, RG)	DN 50	280 mm	16 bar	3~400 V, 50 Hz	Bronze, CC499K	21 kg	28	2175524
TOP-Z 65/10 (3~400 V, PN 6/10, GG)	DN 65	340 mm	10 bar	3~400 V, 50 Hz	Grey cast iron	29.7 kg	12	2175527

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TOP-Z 65/10 (3~400 V, PN 6/10, RG)	DN 65	340 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	32.5 kg	12	2175528
TOP-Z 65/10 (3~400 V, PN 16, GG)	DN 65	340 mm	16 bar	3~400 V, 50 Hz	Grey cast iron	29.7 kg	12	2175529
TOP-Z 65/10 (3~400 V, PN 16, RG)	DN 65	340 mm	16 bar	3~400 V, 50 Hz	Bronze, CC499K	32.5 kg	12	2175530
TOP-Z 80/10 (3~400 V, PN 6, GG)	DN 80	360 mm	6 bar	3~400 V, 50 Hz	Grey cast iron	30 kg	12	2175531
TOP-Z 80/10 (3~400 V, PN 6, RG)	DN 80	360 mm	6 bar	3~400 V, 50 Hz	Bronze, CC499K	34.5 kg	12	2175532
TOP-Z 80/10 (3~400 V, PN 10, GG)	DN 80	360 mm	10 bar	3~400 V, 50 Hz	Grey cast iron	34 kg	12	2175533
TOP-Z 80/10 (3~400 V, PN 10, RG)	DN 80	360 mm	10 bar	3~400 V, 50 Hz	Bronze, CC499K	37 kg	12	2175534
TOP-Z 80/10 (3~400 V, PN 16, GG)	DN 80	360 mm	16 bar	3~400 V, 50 Hz	Grey cast iron	34 kg	12	2175535
TOP-Z 80/10 (3~400 V, PN 16, RG)	DN 80	360 mm	16 bar	3~400 V, 50 Hz	Bronze, CC499K	37 kg	12	2175536

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