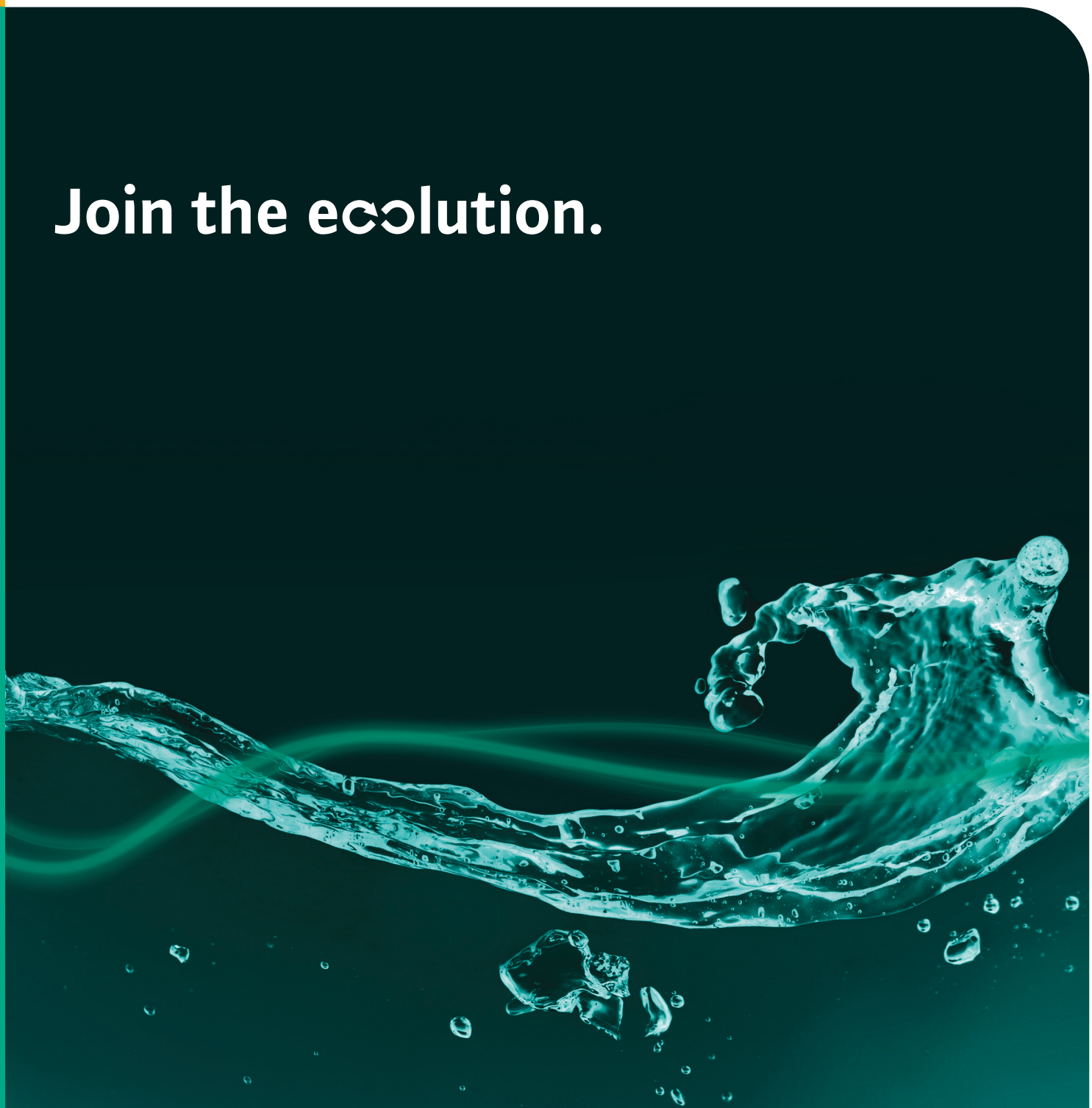
Pioneering for You

General Overview

Our solutions for Heating, Air conditioning, Cooling,



Pioneering for You

wilo

evolution

innovation

ecologic

economic

ecolution

solution

evolution

ecologic

economic

solution

innovation

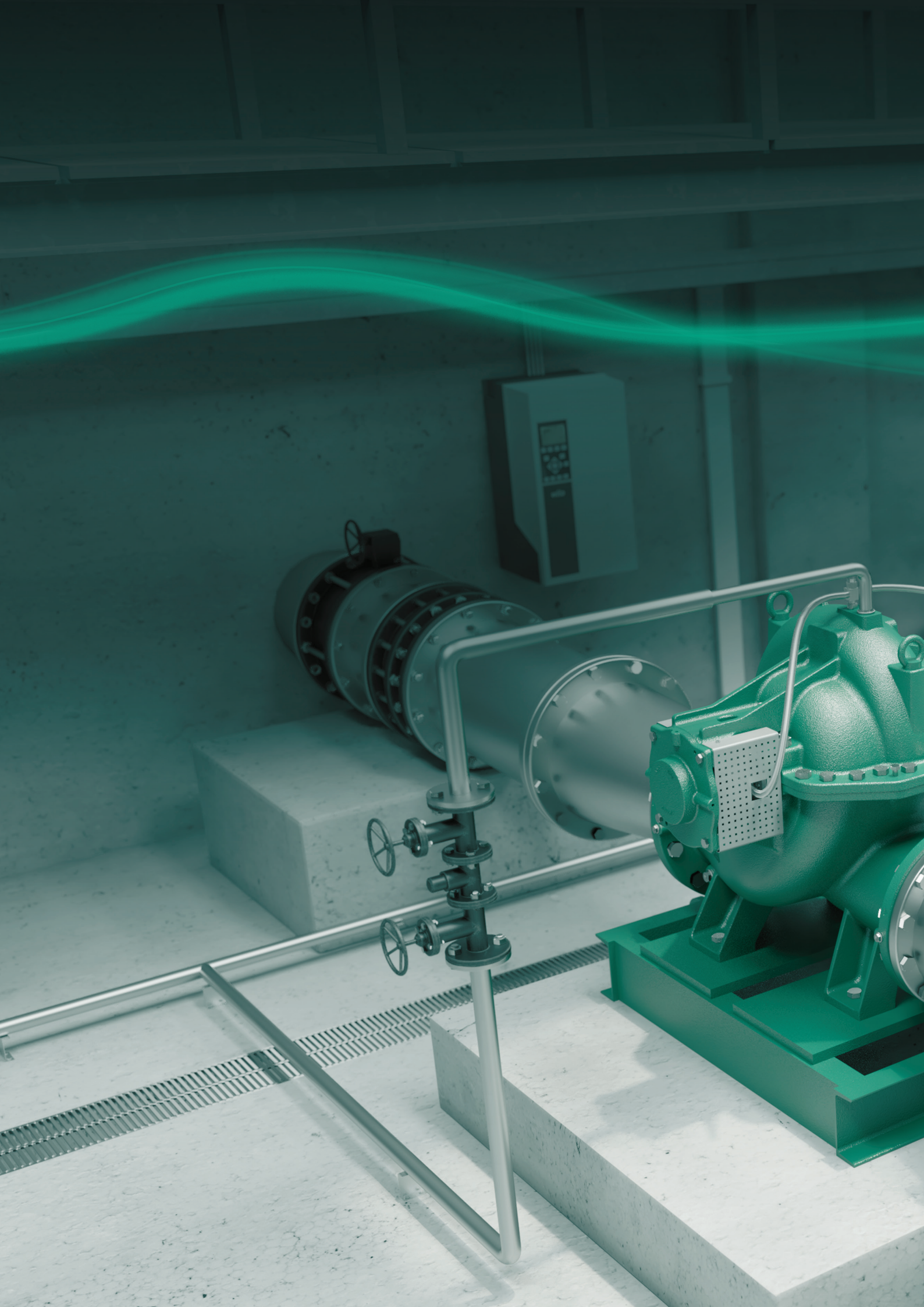
Join the ecolution.

In a world of constant growth, where our climate is changing and where energy and water shortages are challenging us worldwide – it is up to us to do something. But keeping up with the world's changes is not always easy. We need to find solutions that are both economic and ecological. We need to stimulate innovation and find revolutionary ways to face the challenges of our time and the future.

Our pumps, systems and solutions are characterised by a maximum of high efficiency, sustainability and operational reliability. Our customers benefit from our decades of experience and the latest know-how throughout the whole water cycle – for future-proof water supply and sewage disposal.

This is your chance! Be the person who positively shapes the future of water management.

qr.wilo.com/ecolution-wm

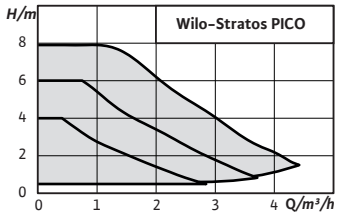
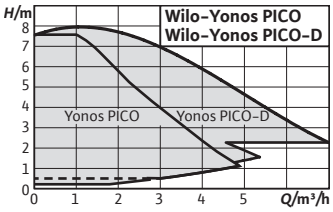
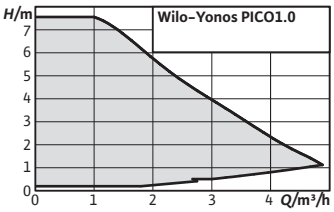


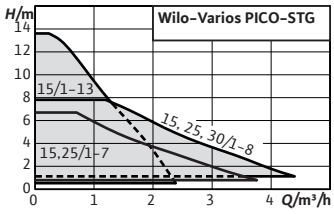
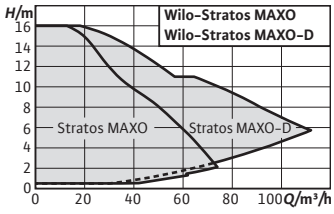
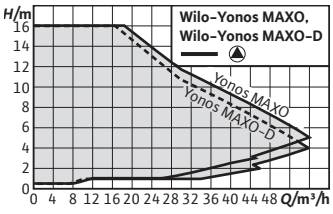
Increase energy-efficiency

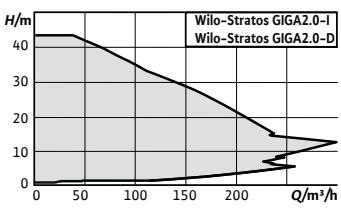
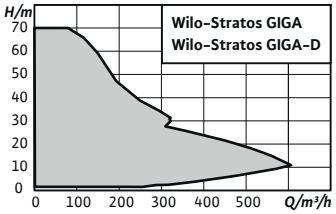
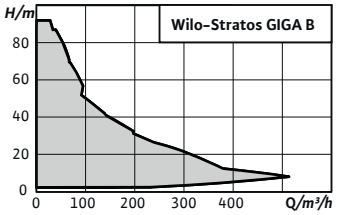
Achieve sustainable higher efficiency with durable and efficient pumps.

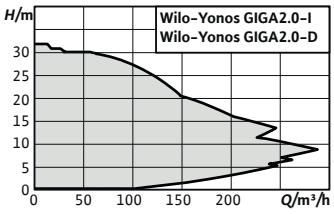
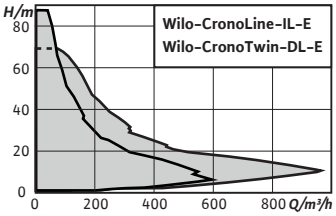
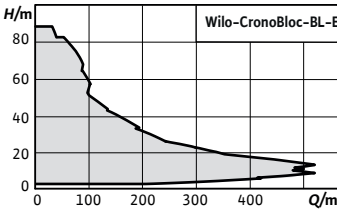
Wilo-Atmos TERA-SCH

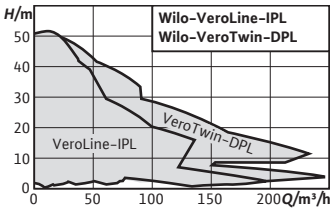
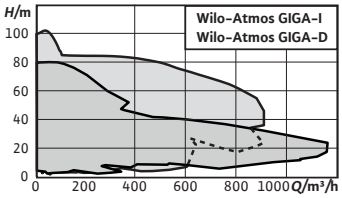
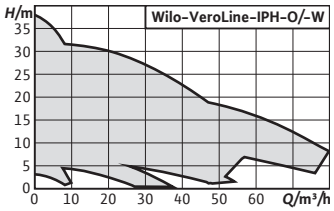
Link to the online catalogue

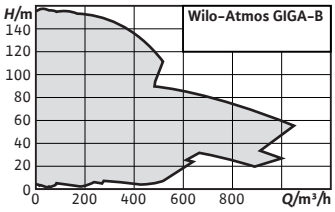
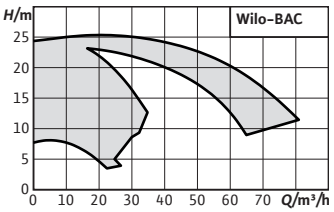
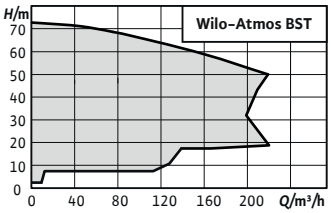
Series	Wilo-Stratos PICO	Wilo-Yonos PICO Wilo-Yonos PICO-D	Wilo-Yonos PICO1.0
Product photo			
Design	Glandless circulator with screwed connection, EC motor with automatic power adjustment	Glandless circulator with screwed connection, EC motor with automatic power adjustment	Glandless circulator with screwed connection, EC motor with automatic power adjustment
Application	Hot-water heating systems of all kinds, air-conditioning applications, industrial circulation systems	Hot-water heating systems of all kinds, air-conditioning applications, industrial circulation systems	Hot-water heating systems of all kinds, air-conditioning applications, industrial circulation systems
Duty chart			
Volume flow Q_{max}	4.8 m³/h	7 m³/h	4.8 m³/h
Delivery head H_{max}	8 m	8 m	8 m
Technical data	→ Fluid temperature -10 °C to +110 °C → Mains connection 1~230 V, 50/60 Hz → Energy-efficiency index (EEI) ≤ 0.18 (Stratos PICO.../0.5-8 ≤ 0.23) → Screwed connection Rp ½, Rp 1, Rp 1¼ → Max. operating pressure 10 bar	→ Fluid temperature -10 °C to +95 °C → Mains connection 1~230 V, 50/60 Hz → Energy-efficiency index (EEI) ≤ 0.20 (Yonos PICO.../1-8 ≤ 0.23) → Screwed connection Rp ½, Rp 1, Rp 1¼ → Max. operating pressure 10 bar	→ Fluid temperature -10 °C to +95 °C → Mains connection 1~230 V, 50/60 Hz → Energy-efficiency index (EEI) ≤ 0.20 (Yonos PICO.../1-8 ≤ 0.23) → Protection class IPX4D → Screwed connection Rp ½, Rp 1, Rp 1¼ → Max. operating pressure 10 bar
Special features	→ Setting assistant, large display and Green Button Technology allow for easy operation → Maximum energy efficiency through EC motor, Dynamic Adapt plus and precise settings → Optional: Communication using external additional modules → Self-protection routines such as dry-running protection and restart provide high level of reliability → Monitoring of current flow, delivery head, electricity consumption and kilowatt hours consumed	→ Maximum operating convenience with new intelligent settings, intuitive user interfaces and new functions → Optimised energy efficiency due to EC motor technology, precise settings of 0.1 m → Improved, compact design for quick installation/replacement → Automatically and manually triggered restart or pump venting functions for an easier maintenance	→ Maximum operating convenience with intuitive user interfaces → Optimised energy efficiency due to EC motor technology, precise settings of 0.1 m and display of current power consumption → Improved, optimised design for quick installation/replacement → Easy maintenance and high degree of operational reliability due to automatically triggered restart or manual air venting function → Maximum operational reliability based on proven technology
Equipment/function	→ Control mode: Dynamic Adapt plus, Δp-v, Δp-c, n-constant → Setting assistant for number of radiators or surface area of underfloor heating → Automatic setback operation; venting routine; restart and dry-running protection → Current values displayed for power consumption, flow, delivery head, speed and energy consumption → Function for resetting the electricity metre or restoring factory settings → Key lock → Wilo-Connectivity interface for external modules → Wilo-Connector	→ Control modes: Δp-c, Δp-v and constant speed (3 characteristic curves) → Setting of operating mode according to application, delivery head or constant speed → Automatic deblocking function → Manual restart and pump venting function → LED display for setting the setpoint, displaying current consumption and flow → Wilo-Connector → Twin-head pump for individual (Δp-c, Δp-v, 3 speed stages) or parallel operation (Δp-c, 3 speed stages)	→ Control modes: Δp-c and Δp-v → Setting of operating mode according to application, delivery head → Manual air venting function → Automatic deblocking function → LED display for setting the setpoint; displaying current consumption, error codes and activated air venting function → Wilo-Connector

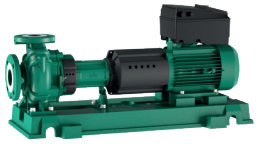
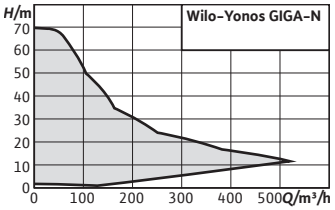
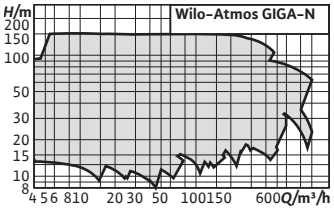
Series	Wilo-Varios PICO-STG	Wilo-Stratos MAXO Wilo-Stratos MAXO-D	Wilo-Yonos MAXO Wilo-Yonos MAXO-D
Product photo			 Series extension
Design	Glandless circulator with screwed connection, EC motor and automatic power adjustment	Smart glandless circulator with screwed connection or flange connection, EC motor with integrated power adjustment	Glandless circulator with screwed connection or flange connection, EC motor and automatic power adjustment
Application	Hot-water heating systems of all kinds, air-conditioning applications, industrial circulation systems, primary circuits of solar and geothermal systems	Hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits, industrial circulation systems	Hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits, industrial circulation systems
Duty chart			
Volume flow Q_{max}	4.4 m³/h	112 m³/h	56 m³/h
Delivery head H_{max}	13 m	16 m	16 m
Technical data	→ Fluid temperature: -20 °C to +110 °C → Mains connection 1~230 V, 50/60 Hz → Energy Efficiency Index (EEI): 7 m: ≤ 0.20, 8 m / 13 m: ≤ 0.23 → Screwed connection Rp ½, Rp 1, Rp 1¼ → Max. operating pressure 10 bar	→ Fluid temperature -10 °C to +110 °C → Mains connection: 1~230 V, 50/60 Hz → Nominal diameter Rp 1 to DN 100 → Max. operating pressure 10 bar (special version: 16 bar)	→ Fluid temperature -20 °C to +110 °C → Mains connection 1~230 V, 50/60 Hz → Energy Efficiency Index (EEI) ≤ 0.20 (EEI ≤ 0.23 for twin-head pumps) → Nominal diameter Rp 1 to DN 100 → Max. operating pressure 10 bar
Special features	→ A highly compatible replacement solution for all applications due to compact dimensions, new control modes e.g. iPWM and the new Sync function → Highest comfort in handling with one push button for control mode and one for preset curves and the LED display → Easy installation through adaptable connections and maintenance functions like air venting	→ Intuitive operation by guided application settings with the setting assistant → Energy-saving functions such as No-Flow Stop → Innovative controlling functions such as Dynamic Adapt plus and Multi-Flow Adaption → Direct pump networking for multiple pump control via Wilo Net → Installation comfort by the optimised Wilo-Connector	→ LED display for indication of set delivery head and error codes → Quick setting when replacing an uncontrolled standard pump with preset speed stages, e.g. TOP-S → Electrical connection with Wilo plug → Collective fault signal ensures system availability → Pump housing with cataphoretic (KTL) coating protects against corrosion due to condensation
Equipment/function	→ Control modes: Δp-c, Δp-v and constant speed → External control (iPWM GT and iPWM ST) → Sync function (manual manual programming mode) → Air venting function → Manual restart → LED display and 2 push buttons for settings and functions activation → Dual electrical connection (Molex and Wilo-Connector) → Front access to motor screws	→ Control modes: Dynamic Adapt plus, Δp-c, Δp-v, n-const, T-const, ΔT-const and Q-const → Multi-Flow Adaptation → Remote control via Bluetooth interface → Selection of application-based presettings in the setting assistant → Cooling/heat quantity measurement → Dual pump management → Retrofittable interface modules for communication	→ Control modes: Δp-c, Δp-v, 3 speed stages → LED display for setting the required delivery head → Quick electrical connection with Wilo plug → Motor protection, fault signal light and contact for collective fault signal → Combination flanges PN 6/PN 10 (for DN 32 to DN 65) → Retrofitable interface module (Connect module) for connection to building automation

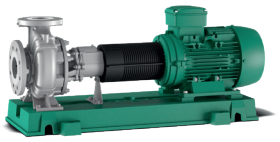
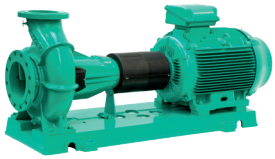
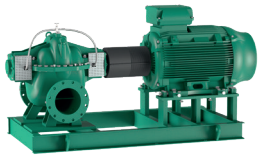
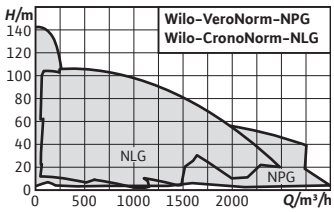
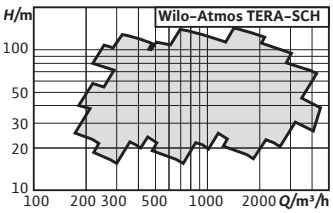
Series	Stratos GIGA2.0-I Stratos GIGA2.0-D	Wilo-Stratos GIGA Wilo-Stratos GIGA-D	Wilo-Stratos GIGA B
Product photo			 Series extension
Design	Highly efficient in-line pump (as single or twin-head pump) with IE5 motor, electronically controlled in glanded design with flange connection and mechanical seal	Highly efficient in-line pump (as single or twin-head pump) with IE5 motor, electronically controlled in glanded design with flange connection and mechanical seal	High-efficiency monobloc pump with IE5 motor and electronic power adjustment in glanded pump construction, with flange connection and mechanical seal
Application	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems
Duty chart			
Volume flow Q_{max}	300 m³/h	680 m³/h	520 m³/h
Delivery head H_{max}	43 m	65 m	92 m
Technical data	→ Fluid temperature -20 °C to +140 °C → Ambient temperature to +50 °C → Mains connection: 3~440 V ±10%, 50/60 Hz, 3~400 V ±10%, 50/60 Hz, 3~380 V -5% +10%, 50/60 Hz – Version M-: 1~220 V ... 240 V ±10%, 50/60 Hz → Minimum efficiency index (MEI) ≥ 0.7 → Nominal diameter DN 32 to DN 125 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C	→ Fluid temperature -20 °C to +140 °C → Mains connection: 3~380 V - 3~440 V (± 10%), 50/60 Hz → Minimum efficiency index (MEI): → from 11 kW to 22 kW: MEI ≥ 0.4 → Nominal diameter DN 40 to DN 200 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C	→ Fluid temperature -20 °C to +140 °C → Mains connection: 3~380 V - 3~440 V (± 10%), 50/60 Hz → Minimum efficiency index (MEI): → up to 6.0 kW: MEI ≥ 0.7 → from 11 kW: MEI ≥ 0.4 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C
Special features	→ High-efficiency motor with efficiency class IE5 according to IEC 60034-30-2 → Optimal control using an application-guided setting assistant → Innovative control functions such as Dynamic Adapt plus and Multi-Flow Adaptation → Multi-pump connection via Wilo Net → Highest transparency of operating data for optimisation of pump and overall system	→ Innovative high-efficiency pump for maximum overall efficiency levels → High-efficiency motor with efficiency class IE5 according to IEC 60034-30-2 → Optional interfaces for bus communication using IF modules in building automation	→ Innovative, high-efficiency pump for maximum overall efficiency with main dimensions according to EN 733 → High-efficiency motor with efficiency class IE5 according to IEC 60034-30-2 → Optional interfaces for bus communication using IF modules in building automation
Equipment/function	→ Control mode: Dynamic Adapt plus, Δp-c, Δp-v, n-const, T-const, ΔT-const and Q-const → Multi-Flow Adaptation → Remote control via Bluetooth interface → Selection of the field of application in the setting assistant → Cooling/heat capacity measurement → Dual-pump management → Retrofittable interface modules for communication	→ Control modes: Δp-c, Δp-v, PID control, n-const → Manual functions: e.g. differential pressure setpoint setting, manual control mode, error acknowledgement → External control functions: e.g. Overriding Off, external cyclical pump cycling (dual-pump operation), analogue input 0-10 V / 0-20 mA for constant speed (DDC) → Remote control via infrared interface (IR-Stick), plug position for IF modules for connection to building automation	→ Control modes: Δp-c, Δp-v, PID control, n=constant → Manual functions: e.g. differential pressure setpoint setting, manual control mode, error acknowledgement → External control functions: e.g. Overriding Off, external cyclical pump cycling, analogue input 0-10 V / 0-20 mA for constant speed (DDC) → Remote control via infrared interface (IR-Stick), plug position for IF modules for connection to building automation

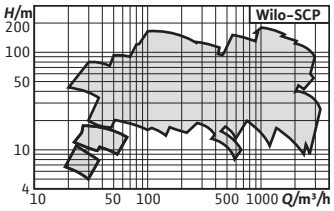
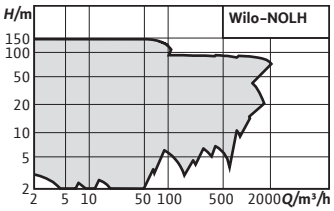
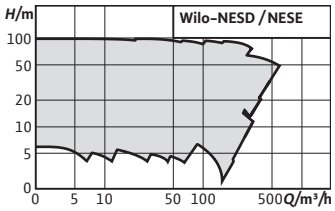
Series	Yonos GIGA2.0-I Yonos GIGA2.0-D	Wilo-CronoLine-IL-E Wilo-CronoTwin-DL-E	Wilo-CronoBloc-BL-E
Product photo			 Series extension
Design	In-line pump with high energy efficiency (as single or twin-head pump) with IE5 motor, electronically controlled in glanded design with flange connection and mechanical seal	Glanded energy-saving pump (as single or twin-head pump) in in-line design. Version as single-stage low-pressure centrifugal pump with flange connection and mechanical seal	Electronically controlled glanded energy-saving pump in monobloc design as a single-stage low-pressure centrifugal pump with flange connection and mechanical seal
Application	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in hot water/cold water/cooling systems	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems
Duty chart			
Volume flow Q_{max}	260 m³/h	800 m³/h	520 m³/h
Delivery head H_{max}	31 m	65 m	92 m
Technical data	→ Fluid temperature -20 °C to +120 °C → Ambient temperature to +50 °C → Mains connection 3~440 V ±10 %, 50/60 Hz, 3~400 V ±10 %, 50/60 Hz, 3~380 V -5 % +10 %, 50/60 Hz – Version M-: 1~220 V ... 240 V ±10 %, 50/60 Hz → Minimum energy efficiency (MEI) ≥ 0.4 → Nominal diameter DN 32 to DN 125 → Max. operating pressure 16 bar up to +120 °C	→ Fluid temperature -20 °C to +140 °C → Mains connection: 3~440 V ±10 %, 50/60 Hz 3~400 V ±10 %, 50/60 Hz 3~380 V -5 %/+10 %, 50/60 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter DN 40 to DN 200 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C	→ Fluid temperature -20 °C to +140 °C → Mains connection: 3~440 V ±10 %, 50/60 Hz 3~400 V ±10 %, 50/60 Hz 3~380 V -5 %/+10 %, 50/60 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C
Special features	→ High energy efficiency through IE5 motor technology and proven pump hydraulics (MEI ≥0.4) → Easy to use with clear menu navigation, colour display and Green Button Technology → High reliability through innovative drive technology and proven pump hydraulics → Ready for integration into building automation systems via analogue and digital interface and CIF module	→ Optional interfaces for bus communication using plug-in IF modules → Simple operation with Green Button Technology and display → Integrated dual-pump management → Integrated full motor protection with trip electronics → Efficiency class IE4 motors	→ Optional interfaces for bus communication using IF modules → Simple operation with Green Button Technology and display → Integrated full motor protection with trip electronics → Meets user requirements due to performance and main dimensions according to EN 733 → Efficiency class IE4 motors
Equipment/function	→ Control mode: Δp-c, Δp-v, n-const, user-defined PID control → Dual-pump management → Retrofittable interface modules for communication	→ Control modes: Δp-c, Δp-v, PID control, n-const → Manual functions: e.g. differential pressure setpoint setting, manual control mode, error acknowledgement → External control functions: e.g. Overriding Off, external cyclical pump cycling (dual-pump operation), analogue input 0-10 V / 0-20 mA for constant speed (DDC) → Remote control via infrared interface (IR-Stick), plug position for IF modules for connection to building automation	→ Control modes: Δp-c, Δp-v, PID control, n-const → Manual functions: e.g. differential pressure setpoint setting, manual control mode, error acknowledgement → External control functions: e.g. Overriding Off, analogue input 0-10 V / 0-20 mA for constant speed (DDC) → Remote control via infrared interface (IR-Stick), plug position for IF modules for connection to building automation

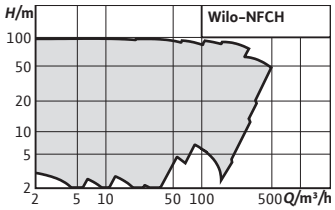
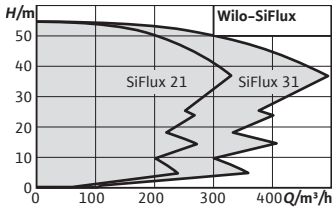
Series	Wilo-VeroLine-IPL Wilo-VeroTwin-DPL	Wilo-Atmos GIGA-I Atmos GIGA-D	Wilo-VeroLine-IPH-W Wilo-VeroLine-IPH-O
Product photo		 NEW	 to be discontinued
Design	Glanded pump/twin-head pump in in-line design with screwed connection or flange connection	Glanded pump (as single or twin-head pump) in in-line design with flange connection	Glanded pump in in-line design with flange connection
Application	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems	Easy maintenance and user-friendly design with optional back pull-out design and cartridge mechanical seal for large pumps	IPH-W: For hot water in closed industrial circulation systems, district heating, closed heating systems IPH-O: For heat transfer oil in closed industrial circulation systems
Duty chart			
Volume flow Q_{max}	245 m³/h	1,170 m³/h	80 m³/h
Delivery head H_{max}	52 m	110 m	38 m
Technical data	→ Fluid temperature -20 °C to +120 °C → Mains connection 3~400 V, 50 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter Rp 1 to DN 100 → Max. operating pressure 10 bar (special version: 16 bar)	→ Fluid temperature -20 °C to +140 °C → Mains connection 3~400 V, 50 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter DN 32 to DN 250 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C (25 bar on request)	→ Fluid temperature IPH-W: -10 °C to +210 °C (at max. 23 bar) → Fluid temperature IPH-O: -10 °C to +350 °C (at max. 9 bar) → Mains connection 3~400 V, 50 Hz → Nominal diameter DN 20 to DN 80
Special features	→ High standard of corrosion protection → Standard condensate drainage holes in motor housings and lanterns → Series design: motor with one-piece shaft → Version N: Standard motor B5 or V1 with stainless steel plug shaft → Bidirectional, force-flushed mechanical seal → DPL: Main-/standby operation or peak-load operation (via additional external device)	→ Flexible use in air-conditioning systems and chillers with application advantages due to targeted condensate drainage → High corrosion protection → Worldwide availability of standard motors (according to Wilo specifications) and standard mechanical seals → Main/standby operation or peak-load operation (with an external auxiliary device)	→ Self-cooled mechanical seal, independent of direction of rotation → Great variety of applications due to a wide fluid temperature range without additional wearing parts
Equipment/function	→ Single-stage, low-pressure centrifugal pump in in-line design with → Mechanical seal → Flange connection with pressure measuring connection R ⅛ → Motor with one-piece shaft → DPL with switchover valve → Motors with efficiency class IE3 for motors ≥ 0.75 kW	→ Single-stage, low-pressure centrifugal pump in in-line design with → Mechanical seal → Flange connection with pressure measuring connection R ⅛ → Lantern → Coupling → IEC standard motor → Motors with efficiency class IE3 for motors ≥ 0.75 kW	→ Single-stage, low-pressure centrifugal pump in in-line design with → Mechanical seal → Flange connection → Lantern → Motor with special shaft

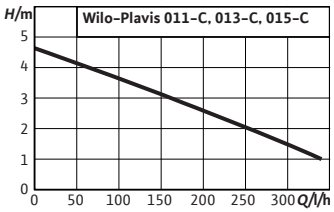
Series	Wilo-Atmos GIGA-B	Wilo-BAC	Wilo-Atmos BST
Product photo			
Design	Glanded pump in monobloc design with flange connection	Glanded pump in monobloc design with Victaulic connection	Glanded pump in monobloc design with flange or threaded connection
Application	Pumping of heating water, cold water and water-glycol mixtures without abrasive substances in hot water/cold water/cooling systems	For pumping of cooling water, cold water, water-glycol mixtures and other fluids without abrasive substances	For pumping heating water, water-glycol mixtures, cooling water and chilled water without abrasive substances in heating, chilled water and cooling water systems.
Duty chart			
Volume flow Q_{max}	1010 m³/h	81 m³/h	220 m³/h
Delivery head H_{max}	158 m	25 m	70 m
Technical data	→ Fluid temperature -20 °C to +140 °C → Mains connection 3~400 V, 50 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C (25 bar on request)	→ Fluid temperature -15 °C ... +60 °C (BAC70), to +90 °C (BAC50) → Mains connection 3~400 V, 50 Hz (others on request) → Minimum efficiency index (MEI) ≥ 0.4 → Victaulic connection: DN 50: 60.3 mm; DN 65: 76.1 mm → Max. operating pressure 10 bar: BAC50; 6.5 bar: BAC70	→ Fluid temperature -20 °C to +120 °C → Mains connection 1~230 V (≤ 2.2 kW), 3~400 V, 50 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter DN 25 to DN 80 → Max. operating pressure 10 bar
Special features	→ High corrosion protection through cataphoretic coating of the cast iron components → Standard condensate drainage holes in the motor housings → High worldwide availability of standard motors (according to Wilo specifications) and standard mechanical seals → Power and main dimensions according to EN 733	→ Pump housing in composit or grey cast iron version → Victaulic connection for quick installation → Optimised pump dimensions for flexibility during replacement → High reliability due to top-quality mechanical seal and bearing → optional: Quick connection plug for maximum comfort with electrical connection	→ Ultra-modern pump hydraulics and the IE3 motor save energy → Various impeller materials, multiple motor options and a wide range of mechanical seals enable universal deployment in many different applications → Monobloc construction and pump feet enable easy installation → Hydraulic components made of stainless steel provide high resistance to corrosion
Equipment/function	Single-stage low-pressure centrifugal pump in monobloc design, with axial suction port and radially arranged discharge port with → Mechanical seal → Flange connection with pressure measuring connection R 1/8 → Lantern → Coupling → Pump housing with feet → IEC standard motor	→ Single-stage low-pressure centrifugal pump in monobloc design, with axial suction port and radially arranged pressure port → Motors with efficiency class IE3	Single-stage low-pressure centrifugal pump in monobloc design, with axial suction port and radially arranged discharge port with → Mechanical seal → Flange connection with pressure measuring connection R 1/8 → IEC standard motor

Series	Wilo-Yonos GIGA-N	Wilo-Atmos GIGA-N	Wilo-Atmos GIGA-NX
Product photo			
Design	Electronically controlled, single-stage low-pressure centrifugal pump with axial suction. Mounted on a baseplate with flange connection and automatic power adjustment.	Single-stage, low-pressure centrifugal pump with axial suction, mounted on a baseplate	Single-stage, low-pressure centrifugal pump with axial suction, mounted on a baseplate
Application	Pumping of heating water (according to VDI 2035), cold water, water-glycol mixtures in heating, cold water and cooling systems. For irrigation, building services, general industry etc.	Pumping of heating water (according to VDI 2035), cold water, water-glycol mixtures in heating, cold water and cooling systems	Pumping of heating water (VDI 2035), cold water, water-glycol mixtures in heating / cold water / cooling systems For irrigation, building services, general industry, power stations, etc.
Duty chart			
Volume flow Q_{max}	520 m³/h	1000 m³/h	1000 m³/h
Delivery head H_{max}	70 m	150 m	150 m
Technical data	→ Fluid temperature -20 °C to +140 °C → Mains connection: 3~440 V ±10 %, 50/60 Hz, 3~400 V ±10 %, 50/60 Hz, 3~380 V -5 %/+10 %, 50/60 Hz → Minimum efficiency index (MEI) ≥ 0.4 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 16 bar	→ Fluid temperature -20 °C to +140 °C → Mains connection 3~400 V, 50 Hz → Protection class IP55 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 16 bar	→ Fluid temperature -20 °C to +140 °C → Mains connection 3~400 V, 50 Hz → Protection class IP55 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 16/25 bar
Special features	→ Efficient pump with IE4 motor → Cataphoretic coating of all cast components for high corrosion resistance and long service life → Standard dimensions according to EN 733 → Easy adjustment and operation with Green Button Technology → User-friendly spacer coupling in back pull-out design for an easy maintenance → Optional interfaces for connection to building automation using insertable IF modules	→ Energy-saving due to increased overall efficiency through improved hydraulics and the use of IE3 motors → Cataphoretic coating of all cast components for high corrosion resistance and long service life → Universally usable due to standardised dimensions, a range of motor options and impellers made of different materials	→ Energy-saving due to increased overall efficiency by improved hydraulics and IE3/IE4 motors → Meets the industrial requirements of ISO standards (2858, 5199) → Individually adaptable thanks standardised dimensions, a range of motor options and impellers in application-specific materials → Stainless steel components and cataphoretic coating of all cast components provide high resistance and durability
Equipment/function	→ Control modes: Δp-c, PID control, n=constant → Manual functions: E.g. differential pressure setpoint setting, manual control mode, error acknowledgement → External control functions: E.g. Overriding Off, analogue input 0-10 V/0-20 mA for constant speed (DDC) → Remote control via infrared interface (IR-Stick), plug-in position for IF modules for connection to building automation	→ Single-stage low-pressure centrifugal pump in monobloc design with coupling, coupling guard, motor and baseplate → Motors with efficiency class IE3	→ Single-stage low-pressure centrifugal pump in monobloc design with coupling, coupling guard, motor and baseplate → Motors with efficiency class IE3 or IE4 → Mechanical seal

Series	Wilo-Atmos GIGA-NHT	Wilo-CronoNorm-NLG Wilo-VeroNorm-NPG	Wilo-Atmos TERA-SCH
Product photo			
Design	Single-stage, low-pressure centrifugal pump with axial suction, mounted on a baseplate	Single-stage low-pressure centrifugal pump with axial suction, according to ISO 5199, mounted on a baseplate	Axially spilt case pump mounted on a base frame
Application	Pumping of water in hot-water heating systems, cooling and chilled water circulation systems, district heating loops and industrial water cycles up to 200 °C, and in industrial heat carrier oil circuit systems up to 350 °C	Pumping of heating water, cold water, water-glycol mixtures in municipal water supply, general industry, power stations etc.	Raw water intake; boosting/transport in water supply systems; pumping of process/cooling water, heating water (in Germany acc. VDI 2035), water-glycol mixtures; irrigation
Duty chart			
Volume flow Q_{max}	400 m³/h	2,800 m³/h	4,675 m³/h
Delivery head H_{max}	100 m	140 m	150 m
Technical data	→ Fluid temperature: -20 °C ... +350 °C (heat carrier oil); 0 °C ... +200 °C (water) → Mains connection 3~400 V, 50 Hz → Protection class IP55 → Nominal diameter DN 32 to DN 150 → Max. operating pressure 25 bar	→ Fluid temperature -20 °C to +120 °C (depending on type) → Mains connection 3~400 V, 50 Hz → Nominal diameters: DN 150 to DN 500 (depending on type) → Operating pressure: depending on type and application – up to 16 bar	→ Fluid temperature -20 °C to +120 °C → Mains connection 3~400 V, 50 Hz → Nominal diameters – Suction side: DN 150 to DN 500 – Discharge side: DN 150 to DN 400 → Max. operating pressure: PN 16, PN 25
Special features	→ Self-cooled design, suitable for high temperature fluids → Dry running risk minimised by clever sealing chamber design → Reaching the MEI levels expected in EU markets → PN 25 pressure rating following the standard EN733. → Sleeve bearing close to the impeller minimising the vibration level → Additional protection of ball bearings by a lip seal	NLG: → Reduced life cycle costs through optimised efficiency → Mechanical seal independent of the direction of rotation → Interchangeable casing wear ring → Permanently lubricated, generously dimensioned roller bearings NPG: → Suitable for temperatures up to 140 °C → Back pull-out version	→ Reduced energy costs through high overall efficiency → Tolerant coupling and motor adjusting device for simplified alignment → Quiet-running hydraulics increase operational reliability → Reduced cavitation tendency through optimised NPSH values → Also available as drinking water version
Equipment/function	→ Single-stage low-pressure centrifugal pump as baseplate pump with coupling, coupling guard, motor and baseplate → Motors with efficiency class IE3 → Completed for low duties by an in-line range for space saving	→ Single-stage horizontal spiral housing pump with bearing bracket and exchangeable casing wear rings (NLG only) in back pull-out design → Shaft sealing with mechanical seals according to EN 12756 or stuffing box packing → Spiral housing with cast pump bases → Greased grooved ball bearings for bearing of pump shaft → Motors with efficiency class IE3	→ Centrifugal axially split case pump, available in single-stage design → Deliverable as complete unit or without motor or only pump hydraulics → Shaft sealing with mechanical seal or stuffing box → 4- and 6-pole motors; IE3 standard to 1000 kW (IE4 on request) → Welded steel frame

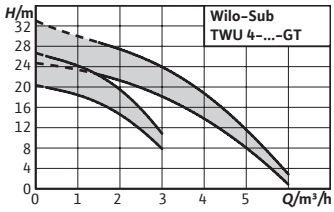
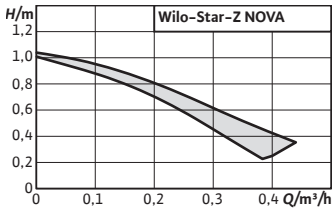
Series	Wilo-SCP	NOLH	Series NESD Series NESE
Product photo	 to be discontinued	 to be discontinued	 to be discontinued
Design	Low-pressure centrifugal pump with axially split housing mounted on a baseplate	Single-stage low-pressure centrifugal pump with axial suction connection and radial, upwards-facing pressure port, mounted on a baseplate	Single-stage low-pressure centrifugal pump with axial suction connection and radial, upwards-facing pressure port mounted on a baseplate
Application	Pumping of heating water (acc. VDI 2035), cold water, process water, water-glycol mixtures in heating, cold water and cooling systems.	For supplying clean or slightly muddy fluids without solid material, e.g.: in industrial processes, non-hygienic food industry, water circulation in the metals industry, heating, cold water and cooling, water systems, or power generation.	For heat transfer or circulating hot water in industrial processes, for power generation or in building services
Duty chart			
Volume flow Q_{max}	3,400 m³/h	1,800 m³/h	600 m³/h
Delivery head H_{max}	245 m	140 m	90 m
Technical data	→ Fluid temperature -8 °C to +120 °C → Mains connection 3~400 V, 50 Hz → Nominal diameters - Suction side: DN 65 to DN 500 → Discharge side: DN 50 to DN 400 → Max. operating pressure: 16 or 25 bar, depending on type	→ Permitted temperature range -20 °C to +120 °C → Mains connection 3~400 V, 50 Hz → Nominal diameter on discharge side DN 32 to DN 125 → Max. operating pressure PN 16	→ Max. permitted fluid temperature → NESD: 120 °C ... 207 °C; NESE: 0 °C ... 120 °C (40 bar), 120 °C ... 200 °C (35 bar), 200 °C ... 230 °C (32 bar) → Discharge side-Ø: DN 32 - 125 → Max. operating pressure → NESD: PN 25; NESE: PN 40
Special features	→ Higher volume flows up to 17,000 m³/h on request → Special motors and other materials on request	→ Impeller diameter is adjusted to the desired duty point → Many version options for the shaft seal → 60 Hz or ATEX version on request → Pumping of clean or slightly muddy fluids without solid material	→ Impeller diameter is adjusted to the desired duty point → 60 Hz or ATEX version on request → Special self-cooling design allows use of an uncooled shaft seal. Additional or external cooling devices are not required
Equipment/function	→ 1- or 2-stage, low-pressure centrifugal pump in monobloc design → Deliverable as complete unit or without motor or only pump hydraulics → Shaft sealing with mechanical seal or stuffing box packing → 4-pole and 6-pole motors → Materials: → Pump housing: EN-GJL-250 → Impeller: G-CuSn5 ZnPb → Shaft: X12Cr13	→ Dimensions and hydraulic output as per EN 733 → Hydraulics: cast iron (ML) or stainless steel (MX) depending on version → Sealed by uncooled mechanical seal → With or without spacer coupling → 2 or 4-pole IEC standard motor → Baseplate: steel or cast iron → Supplied as complete unit with pump, coupling, coupling guard, motor and baseplate **or** without motor **or** pump only, with bare shaft end	→ Dimensions and hydraulic output as per EN 22858 → Hydraulics in spheroidal cast iron EN-GS400 (MG version) → Flange according to EN 1092-1 → With or without spacer coupling → 2 or 4-pole IEC standard motor → Baseplate: steel or cast iron → Supplied as complete unit with pump, coupling, coupling guard, motor and baseplate **or** without motor **or** pump only, with bare shaft end

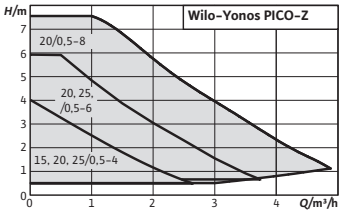
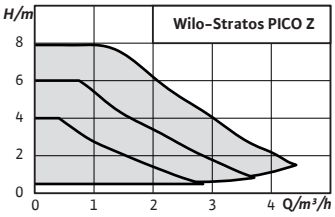
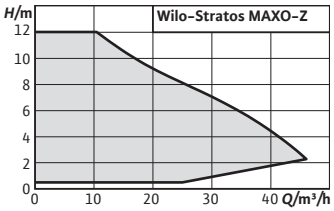
Series	Series NFCH	Wilo-SiFlux	Wilo-Sinum
Product photo	 to be discontinued		
Design	Single-stage low-pressure centrifugal pump with axial suction connection and radial, upwards-facing pressure port, mounted on a baseplate	Fully automatic, ready for connection multi-pump system for high volume flows in heating, cold water and cooling water systems. 3 to 4 electronically controlled in-line pumps switched in parallel	Pressure-maintaining station with 1 or 2 pumps incl. diaphragm pressure vessel
Application	For pumping mineral or synthetic heat carrier fluids up to 350 °C, e.g.: in industrial processes or power generation	For pumping heating water, water-glycol mixtures and cooling and cold water without abrasive substances in heating, cold water and cooling water systems	Automatic pressure maintenance, topping-up and degassing in closed heating and cooling circuits
Duty chart			
Volume flow Q_{max}	1,000 m³/h	490 m³/h	
Delivery head H_{max}	90 m	55 m	
Technical data	→ Permitted temperature range: 0 °C ... 120 °C (16 bar), 120 °C ... 300 °C (13 bar), 300 °C ... 350 °C (16 bar) → Nominal diameter on discharge side DN 32 to DN 125 → Max. operating pressure PN 16	→ VeroLine-IP-E or CronoLine-IL-E → 3~400 V, 50 Hz ±10 % → Fluid temperature: 0 °C to +120 °C → Pipe connections: DN 125 to DN 300 → Max. permissible operating pressure: 10 bar (IP-E), 16 bar (IL-E)	→ Mains connection: 230 V – 400 V, 50 Hz → Max. system pressure: 6, 10 and 16 bar → Operating temperature: min. 3 °C – max. 70 °C → Ambient temperature: 3 °C – 45 °C → Max. (feed) supply temperature in the system: 120°C → Tank 100 – 1,000 litres: according to EN 13831 / 1,200 – 10,000 litres: according to AD 2000 → Noise emission: approx. 55 dB(a)
Special features	→ Impeller diameter is adjusted to the desired duty point → 60 Hz or ATEX version on request → Self-cooling design with double temperature barrier allows the use of an uncooled shaft seal and reduces heat loss	→ Number of pumps: 2+1 or 3+1 (2 or 3 pumps in operation, 1 standby pump each) → Quick and easy installation → Energy-saving: Operation in partial load area according to current needs → Reliable system due to optimally matched components → Compact design, good accessibility to all components	→ Easy installation → Pressure maintenance within narrow limits +/- 0.2 bar → Different operating modes for continuous degassing → Low power consumption, long service life → Modular design → Automatic switching for two-pump systems → Up to 50% glycol-based antifreeze → Flexible connections and hoses → Optionally: Integration into Building Management System → Optionally: Diaphragm break detector
Equipment/function	→ Dimensions and hydraulic output as per EN 733 → Standard mechanical seal corresponding to the heat carrier fluid → Version with or without spacer coupling → 2 or 4-pole IEC standard motor → Supplied as a complete unit with pump, coupling, coupling guard, motor and baseplate **or** without motor **or** pump only, with bare shaft end	→ Automatic pump control via Wilo-SCe → Parts that come in contact with the fluid are corrosion-resistant → Base frame made of galvanised steel, with height-adjustable vibration absorbers for insulation against structure-borne noise → Distributor steel, with corrosion-resistant coating → Shut-off valves, non-return valve, pressure gauge and premounted seals → Differential pressure sensor	→ 1 or 2 Wilo pumps per station → Microprocessor control → Diaphragm pressure vessel in different sizes → Diaphragm pressure vessel with white epoxy powder coating

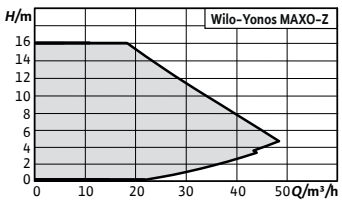
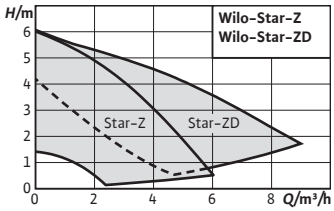
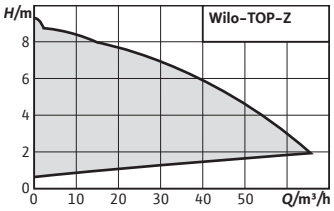
Series	Wilo-Tagus	Wilo-Voda	Wilo-Plavis ...-C
Product photo			
Design	Pressure step degasser	Air and/or dirt separator	Automatic condensate lifting unit
Application	Active degassing and automatic refilling in closed heating and cooling systems for combination with diaphragm pressure vessel or pressure-maintaining stations Wilo-Sinum	Air and dirt separation in closed heating and cooling systems	For pumping condensate out of heat generators with condensing boiler technology, air-conditioning and cooling systems
Duty chart			
Volume flow Q_{max}			330 l/h
Delivery head H_{max}			4 m
Technical data	→ Mains connection: 230 V, 50 Hz → Operating temperature: 3 °C – 70 °C → Max. (feed) supply temperature in the system: 120°C → Ambient temperature: 3 °C – 45 °C → Max. pressure (feed) supply pipe: 2 – 8 bar → Noise emission: approx. 55 dB(a)	→ Max. working pressure: 10 bar → Max. fluid temperature: 120°C → Max. flow velocity: 1.5 m/s	→ Mains connection 1~ 100-240 V, 50/60 Hz → Max. fluid temperature 60 °C → Protection class IPX4 → Inlet connections 18/40 mm → Tank volume 0.7 l to 1.6 l
Special features	→ Up to 50% glycol-based antifreeze → Continuous degassing and self-controlled topping-up → Active degassing by patented PALL ring technology for high ventilation performance → Individually adjustable degassing performance through turbo or normal degassing. → Low installation effort → Completely assembled and ready for connection → Compact and robust design → Version depending on connection size	→ Suitable for addition of up to 50 % glycol-based antifreeze → Protection against deposits in boilers, pumps and fittings → Increased performance of the system by eliminating micro bubbles > 15 to 20 µm → Service life extension of pumps, control units and other system accessories → Maintenance during operation → No interruption of operation	→ Reliable level measurement via electrode level switching → Plug & Pump with adjustable inlet for an easy installation → Removable service cap and integrated non-return ball valve for a quick and easy maintenance → Energy savings due to low electricity consumption (≤ 20 W) → Compact, modern construction and quiet operation (≤ 40 dBA)
Equipment/function	→ Integrated Wilo pump → Clear operation via intuitive display → Assembled and ready for connection	→ Separation of air and micro bubbles as well as mud and dirt → Depending on version: Flange connection PN 16	→ Electric connecting cable with plug (1.5 m) → Detachable service cap; integrated non-return ball valve → 013-C and 015-C: Pressure hose (5 m, Ø 8); Alarm cable (1.5 m); Alarm contact (NC/NO contact); Adjustable rubber guide, Ø 2 to Ø 32; Fixation material for wall mounting → 015-C: granulate chamber including granulate for pH-neutralisation

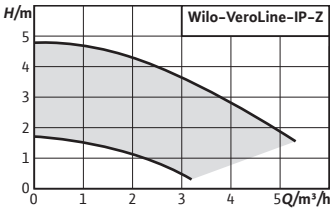
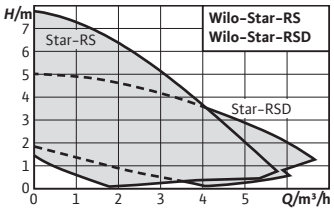
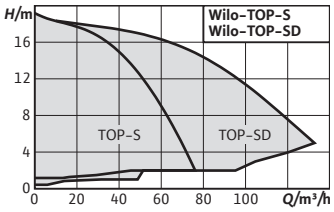
Series	Wilo-SiClean	Wilo-SiClean Comfort	Wilo-WEH
Product photo			 Series modification
Design	Compact particle separator kit, consisting of mechanical and hydraulic components. Manual emptying of the system	Fully-automatic, compact particle separator consisting of mechanical and hydraulic components. The system is drained automatically.	Compact pressure-maintaining system ready for connection for easy installation and commissioning. System comprising mechanical and hydraulic components as well as CE + switchgears.
Application	Removes particles from heating systems using natural physical phenomena in commercial properties and for district heating	Removes particles from heating systems using natural physical phenomena in commercial properties and for district heating	Pressure-maintaining system designed to ensure constant and stable pressure in heating and cooling closed loops. For installation in commercial properties (office buildings, hotels,...).
Duty chart			
Volume flow Q_{max}	4 m³/h	47 m³/h	–
Delivery head H_{max}	–	–	–
Technical data	→ Fluid temperature: 0 °C to +95 °C → Mains connection: 1~230 V, 50 Hz	→ Fluid temperature 0 °C to +95 °C → Mains connection: 3~400 V, 50 Hz	→ Fluid temperature: 0 °C to + 90 °C → Mains connection: 1~230 V, 50 Hz → Mains connection: 3~400 V, 50 Hz → Max. operating pressure: 6 bar
Special features	→ Removal of magnetic and non-magnetic particles from the fluid, venting of micro bubbles → High cleaning efficiency due to physical effects (gravity, filtration...) → Easy to use due to ease of installation, maintenance, and simplified settings → Corrosion-resistant due to stainless steel particle separator	→ High efficiency via combination of physical effects → "Plug & Play" design; fully automated operation → Fully automated and adjustable disposal of collected particles in the desludging tank → Highly functional due to removal of all magnetic and non-magnetic particles, free air and micro bubbles in the fluid, support for the degasification process	→ System ready to connect → Open tanks range in PPH, light and corrosion proof. → Easy-to-adjust switchgear including safety features. → High corrosion resistance materials including 304 stainless steel collectors. → Medana pumps with IE2 motor and stainless steel hydraulics → Possibility to order non-standard versions in MSO
Equipment/function	→ Anti-corrosive, hydraulic components → Pre-assembled fabric-reinforced connecting hoses → Pre-assembled venting unit for expulsion of micro bubbles → Movable magnetic rods for separation of iron oxide particles → Volume flow limiter → Manual purge valve for draining of collected particles → Switchbox for monitoring the circulator	→ Corrosion-resistant, hydraulic components → Fabric-reinforced hoses connected to inlet and outlet of the particle separator → Pre-assembled flushing device including electronic drain valve and additional safety valve → Automatic draining of the particle collection chamber → SC switchgear	→ Fully-electronic central control unit with configurable parameters for pressure setting → Medana series multistage pump → Open composite vessels with excellent resistance to corrosion (to be ordered separately) → Two pipeworks, one on the discharge side and one on the suction side

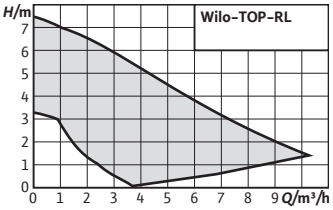
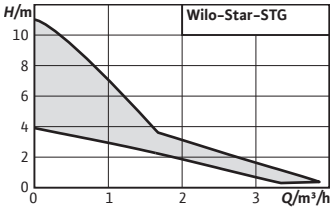
Series	Wilo-WEV	Wilo-CC/CC-FC/CCe-HVAC system Wilo-SC/SC-FC/SCe-HVAC system	Wilo-EFC
Product photo	 Series modification		
Design	Compact pressure-maintaining system ready for connection for easy installation and commissioning. System comprising mechanical and hydraulic components as well as EC switchgears.		Frequency converter
Application	Pressure-maintaining system designed to ensure constant and stable pressure in heating and cooling closed loops. For installation in commercial properties (office buildings, hotels,...).	Switchgear for controlling 1 to 6 pumps	Wall-mounted frequency converter for fixed-speed pumps equipped with asynchronous or permanent magnet motors
Duty chart			
Volume flow Q_{max}	–	–	–
Delivery head H_{max}	–	–	–
Technical data	→ Fluid temperature: 0 °C to + 90 °C → Mains connection: 3~400 V, 50 Hz → Max. operating pressure: 8 bar	–	→ Max. ambient temperature: 55°C (50°C without derating) up to 90 kW, 50°C (45°C without derating) from 110 kW → Environment protection class: IP55 up to 90 kW, IP54 from 110 kW
Special features	→ System ready to connect → Open tanks range in PPH, light and corrosion proof. → Easy-to-adjust switchgear including safety features. → High corrosion resistance materials including 304 stainless steel collectors. → Helix V pumps with IE2 motor and stainless steel hydraulics → Possibility to order non-standard versions in MSO	→ Special versions on request	→ Flexible and safe application → Compact design with energy-saving cooling concept to reduce temperature losses → Integrated energy-efficient harmonic reduction → Additional energy-saving function in the partial load range of the pump → Versatile use in pump applications due to several connection options and different control modes
Equipment/function	→ Fully-electronic central control unit with configurable parameters for pressure setting → Helix V series multistage pump → Open composite vessels with excellent resistance to corrosion (to be ordered separately) → Two pipeworks, one on the discharge side and one on the suction side	→ CC-HVAC for 1 to 6 pumps with fixed speed → CCe-HVAC for 1 to 6 pumps with integrated speed control or external frequency converter control → SC-HVAC for 1 to 4 pumps → SC and SC-FC for standard pumps with fixed speed → SCe for electronically controlled pumps or pumps with integrated frequency converter	→ External communication with module (optional): Profibus, DeviceNet, ProfiNet, Ethernet, Modbus → Additional accessories (optional): dU/dt filter, sine filter

Series	1. Wilo-IR-Stick 2. Wilo-IF modules, Wilo-CIF modules	Wilo-Sub TWU 4 ...-GT	Wilo-Star-Z NOVA
Product photo			
Design		Submersible pump, multistage	Glandless circulator with screwed connection and blocking-current proof synchronous motor
Application	1. Remote control with infrared interface for electronically controlled Wilo pumps 2. Wilo-Control products for connecting pumps to building automation	Water supply from boreholes, wells and rainwater storage for geothermal applications	Domestic hot water circulation systems in industry and building services
Duty chart			
Volume flow Q_{max}	–	6 m³/h	0.4 m³/h
Delivery head H_{max}	–	33 m	1.1 m
Technical data	–	→ Mains connection: 3~400 V, 50 Hz → Fluid temperature: 3–30 °C → Max. sand content: 50 g/m³ → Max. immersion depth: 200 m	→ Fluid temperature: Drinking water, max. +95 °C → Mains connection 1~230 V, 50 Hz → Screwed connection Rp ½ → Max. operating pressure 10 bar
Special features	–	→ Performance-optimised motors for geothermal applications → Parts in contact with the fluid are corrosion-resistant → Integrated non-return valve → Low wear due to floating impellers	→ Hygienically safe due to proven technology → Improved energy efficiency due to synchronous motor with power consumption of only 3–6 watts and thermal insulation shell as standard → Flexible service motor and Wilo-Connector for quick, easy installation and replacement of common pump types
Equipment/function	→ Wilo IR-Stick → Remote control for electronically controlled Wilo pumps with infrared interface → Wilo-IF module → Plug-in modules for connecting to building automation: Stratos GIGA2.0-I/-D, Stratos GIGA/-D/-B, Yonos GIGA2.0-I/-D, IP-E/DP-E, IL-E/DL-E/BL-E, MHIE, MVIE, Helix VE. → Wilo-CIF modules for: Stratos MAXO, Stratos GIGA2.0-I/-D, Yonos GIGA2.0-I/-D, Helix2.0 VE, Medana... → Plug-in modules for connecting to building automation of products compatible with CIF module	→ Multistage submersible pump with radial or semi-axial impellers → Integrated non-return valve → NEMA coupling → Three-phase motor → Hermetically sealed motors	→ Wilo-Connector → Ball shut-off valve on the suction side and backflow preventer on the discharge side (Star-Z NOVA A, T) → Star-Z NOVA T incl. time switch, thermostat and thermal disinfection detection, LCD display with symbolic language

Series	Wilo-Yonos PICO-Z Wilo-Yonos PICO-ZD	Wilo-Stratos PICO-Z	Wilo-Stratos MAXO-Z
Product photo			
Design	Glandless circulator with screwed connection, EC motor and automatic power adjustment	Glandless circulator with screwed connection, EC motor and automatic power adjustment	Smart glandless circulator with screwed connection or flange connection, EC motor with integrated power adjustment
Application	Domestic hot water circulation systems in industry and in building services	Domestic hot water circulation systems in industry and in building services	Domestic hot water circulation systems and similar systems in industry and in building services
Duty chart			
Volume flow Q_{max}	5.6 m³/h	4.4 m³/h	46 m³/h
Delivery head H_{max}	8 m	8 m	12 m
Technical data	→ Fluid temperature +2 °C to +95 °C → Mains connection 1~230 V, 50/60 Hz → Protection class IPX4D → Screwed connection G1, G1¼, G1½ → Max. operating pressure 10 bar	→ Fluid temperature +2 °C to +95 °C → Mains connection 1~230 V, 50/60 Hz → Protection class IPX4D → Screwed connection G1¼, G1½, G2 → Max. operating pressure 10 bar	→ Fluid temperature: drinking water max. +80 °C → Heating water -10 °C to +110 °C → Mains connection 1~230 V, 50/60 Hz → Nominal diameter Rp 1 to DN 65 → Max. operating pressure 10 bar
Special features	→ Hygienic safety due to stainless steel pump housing → EC motor for energy-saving supply → High ease of use by Green Button Technology, intuitive user interface and freely selectable control functions → Automatically and manually triggered restart or pump venting function for easy maintenance and high degree of operational reliability → Current parameters such as flow and power consumption in view at all times via LED display	→ Stainless steel pump housing and detection of thermal disinfection for maximum hygiene in the system → Needs-based, energy-saving supply via temperature-controlled or manual operating mode → Large colour display, clear settings menu and Green Button Technology for easy operation → 1-click commissioning via temperature controller as factory setting → Optional: Communication using external additional modules	→ Operation by guided application settings with the setting assistant → Maximum drinking water hygiene and energy efficiency by the new control function T-const. → Thermal disinfection allows for optimum hygiene support → Installation comfort by the Wilo-Connector → Corrosion-resistant pump housing in stainless steel
Equipment/function	→ Control modes: Constant differential pressure (Δp-c), constant speed (3 fixed speed stages), constant speed (continuously adjustable) → Automatic deblocking function → Manual restart and pump venting function → LED display for setting the setpoint, displaying current consumption and flow → Stainless steel pump housing → Thermal insulation as standard → Wilo-Connector → Twin-head pump for individual or parallel operation	→ Control modes: T-const, Δp-c, n-const → Temperature control for constant return temperature in drinking water circulation systems → Thermal disinfection routine → Current values displayed for power consumption, flow, delivery head, speed, temperature and energy consumption → Function for resetting the electricity metre or restoring factory settings → Key lock → Wilo-Connectivity interface for external modules → Wilo-Connector	→ Control modes: Dynamic Adapt plus, Δp-c, Δp-v, n-const, T-const, ΔT-const and Q-const → Multi-Flow Adaptation → Remote control via Bluetooth interface → Selection of application-based presettings in the setting assistant → Heat measurement → Disinfection detection → Pump venting function → Retrofittable interface modules for communication

Series	Wilo-Yonos MAXO-Z	Wilo-Star-Z Wilo-Star-ZD	Wilo-TOP-Z
Product photo			
Design	Glandless circulator with screwed connection or flange connection, EC motor with automatic power adjustment	Glandless circulator with screwed connection	Glandless circulator with screwed connection or flange connection
Application	Domestic hot water circulation systems in industry and in building services	Domestic hot water circulation systems in industry and in building services	Domestic hot water circulation systems in industry and in building services
Duty chart			
Volume flow Q_{max}	49 m³/h	8.5 m³/h	67 m³/h
Delivery head H_{max}	16 m	6.0 m	9 m
Technical data	→ Poss. temperature range of drinking water up to water hardness 3.57 mmol/l (20 °dH): max. +80 °C → Mains connection 1~230 V, 50/60 Hz → Nominal diameter Rp 1 to DN 65 → Max. operating pressure 10 bar	→ Fluid temperature: drinking water up to water hardness 3.2 mmol/l (18 °dH) max. +65 °C → Mains connection 1~230 V, 50 Hz, → Screwed connection Rp ½ (¾), Rp 1 → Max. operating pressure 10 bar	→ Fluid temperature: drinking water max. +80 °C (+65°C for TOP-Z 20/4 and TOP-Z 25/6) → Mains connection 1~230 V, 50 Hz; 3~400 V, 50 Hz → Nominal diameter Rp 1 to DN 80 → Max. operating pressure 10 bar
Special features	→ Display of set delivery head and error codes → Quick setup when replacing an uncontrolled standard pump with preselectable speed stages, e.g. TOP-Z → Electrical connection with Wilo plug → System availability is ensured via collective fault signal → Corrosion-resistant pump housing made of stainless steel	→ All plastic parts that come into contact with the fluid fulfil KTW recommendations	→ Thermal winding contact (WSK) as potential-free contact (depending on type) → Rotation control lamp indicates the correct direction of rotation (only for 3~) → Thermal insulation as standard
Equipment/function	→ Control modes: Δp-c, Δp-v, 3 speed stages → LED display for setting the required delivery head → Quick electrical connection with Wilo plug → Motor protection, fault signal light and contact for collective fault signal → Corrosion-resistant pump housing made of stainless steel → PN 6/PN 10 combination flanges (for DN 40 to DN 65) → Retrofittable interface module (Connect module) for connection to building automation	→ Constant speed or 3 selectable speed stages (Star-Z...-3), → Quick electrical connection with spring clips → Star-ZD version as twin-head pump	→ Pre-selectable speed stages → Thermal insulation as standard → All plastic parts that come into contact with the fluid fulfil KTW recommendations → Combination flange PN 6/PN 10 (DN 40 to DN 65)

Series	Wilo-VeroLine-IP-Z	Wilo-Star-RS Wilo-Star-RSD	Wilo-TOP-S Wilo-TOP-SD
Product photo			
Design	Glanded circulator in in-line design with screwed connection	Glandless circulator with screwed connection	Glandless circulator with screwed or flanged connection
Application	For pumping drinking water, cold and hot water without abrasive substances, in heating, cold water and cooling water systems	Hot-water heating systems of all kinds, industrial circulation systems, cold water and air-conditioning systems	Hot-water heating systems of all kinds, industrial circulation systems, air-conditioning systems and closed cooling circuits
Duty chart			
Volume flow Q_{max}	5 m³/h	6.0 m³/h	130,0 m³/h
Delivery head H_{max}	4.5 m	8.0 m	19.0 m
Technical data	→ Fluid temperature: drinking water up to a water hardness of 4.99 mmol/l (28 °dH) max. +65 °C → Heating water -8 °C to +110 °C → Mains connection 1~230 V, 50 Hz, 3~230/400 V, 50 Hz → Nominal diameter Rp 1 → Max. operating pressure 10 bar	→ Fluid temperature -10 °C to +110 °C → Mains connection 1~230 V, 50 Hz → Screw connection Rp ½, Rp 1, Rp 1½ → Max. operating pressure 10 bar	→ Fluid temperature -20 °C to +130 °C → Mains connection 1~230 V, 50 Hz (depending on type); 3~400 V, 50 Hz → Nominal diameter Rp 1 to DN 100 → Max. operating pressure 10 bar (optional: 16 bar)
Special features	→ High resistance to corrosive fluids due to stainless steel housing and Noryl impeller → Wide range of applications due to suitability for water hardness up to 5 mmol/l (28 °dH) → All plastic parts that come into contact with the fluid fulfil KTW recommendations	→ Suitable for any installation position with horizontal shaft; terminal box in 3-6-9-12 o'clock position → Three pre-selectable speed stages for load adaptation → Easy and safe installation with useful wrench attachment point on the pump housing → Simplified electrical connection to the terminal box with changeable threaded cable connection used from both sides; quick connection with spring clips	→ Rotation control lamp indicates the correct direction of rotation (only for 3~) → Manual power adjustment with 3 speed stages → Pump housing with cataphoretic (KTL) coating protects against corrosion due to condensation formation
Equipment/function	→ Single-stage, low-pressure centrifugal pump in in-line design with → Mechanical seal → Screwed connection → Motor with one-piece shaft	→ 3 manually selectable speed stages → Wrench attachment point on pump body → Cable inlet possible from both sides - for easy installation → Quick electrical connection with spring clips → RSD version as twin-head pump	→ Preselectable speed stages for performance adaptation → Combination flanges PN 6/PN 10 (DN 40 to DN 65) → Pump housing is KTL-coated → Thermal insulation shells for heating applications as standard

Series	Wilo-TOP-RL	Wilo-Star-STG
Product photo		
Design	Glandless circulator with screwed or flanged connection	Glandless circulator with screwed connection
Application	Hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits, industrial circulation systems	Circulation in solar thermal and geothermal energy systems
Duty chart		
Volume flow Q_{max}	10.0 m³/h	3.8 m³/h
Delivery head H_{max}	7.0 m	11.0 m
Technical data	→ Fluid temperature -20 °C to +130 °C → Mains connection 1~230 V, 50 Hz, 50 Hz → Nominal diameter Rp 1 to DN 40 → Max. operating pressure 10 bar	→ Fluid temperature -10 °C to +110 °C, in short-term duty (2 h) +120 °C → Mains connection 1~230 V, 50 Hz → Screwed connection Rp ½, Rp 1 → Max. operating pressure 10 bar
Special features	→ Collective fault signal as potential-free contact (depending on type) → Pump housing with cataphoretic (KTL) coating protects against corrosion due to condensation formation	→ Special hydraulics for use in solar thermal and geothermal energy systems → Pump housing with wrench attachment point → Pump housing with cataphoretic (KTL) coating protects against corrosion due to condensate formation
Equipment/function	→ Pre-selectable speed stages for power adjustment → Pump housing with cataphoretic coating → Combination flange PN 6/PN 10 (DN 40)	→ 3 manually selectable speed stages → Wrench attachment point on pump housing → Blocking-current proof motor, motor protection not required → Cable inlet on both sides for simple installation → Quick electrical connection with spring clips → Pump housing with cataphoretic coating

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