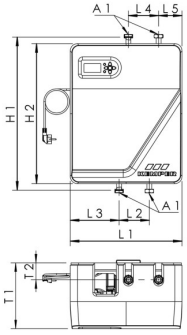

Product Features

- as a central domestic hot water heater according to the continuous flow principle
- copper soldered stainless steel plate heat exchanger
- includes thermal disinfection option according to DVGW W 551
- integrated pump for primary side (heating)
- pulse train controlled pump
- materials suitable for drinking and heating water
- lime scale protection due to patented tilted position of plate heat exchanger
- to control hot water heating and reloading of buffer tank
- for hygienic supply of hot water and hot water circulation according to latest standards
- wetted parts on the drinking water side made of gunmetal, stainless steel and drinking water approved plastics
- wetted parts on the heating side made of gunmetal, stainless steel, cast grey iron and brass
- plate heat exchanger made of stainless steel grade 1.4401/1.4404
- includes option to compensate for offset in walls
- insulating shell made of EPP with separated hot and cold areas to avoid heat loads on the cold water and protect the controller and pump electronics from high temperatures
- with patented chimney effect to make efficient use of the pump life
- learnable control unit for efficient operation
- includes two temperature sensors with 7 metres pipe length for mounting on the buffer tank
- standard BMS compatibility via RS485 interface (Modbus-RTU)
- includes 10 bar pressure relief valve installed at factory
- sample valve can be retrofitted
- flush point can be integrated to avoid stagnation in the cold-water pipe in the case of interruptions in operation
- Connection to power supply with type F safety plug
- includes 32 GB data logger to fulfil operator’s obligations
- includes commissioning wizard
- includes optimisation function with suggestion for reducing the flow temperature to save energy
- includes sensor for detecting the return temperature
- control range for 60°C drinking water from 2 K overtemperature
- additional sensors can be connected for detecting the cold water and circulation entry temperature
- Adjustable hot water temperature for pipework contents < 3 l up to 20°C possible
- with the option of BACNet connection
- With the option of assembly of the direct DHW station on the buffer tank
- Direct DHW station for small applications: Single unit 1.6-42 l/min

Standards and Approvals

- Plate heat exchanger with SVGW certificate
- according to UBA BWGL Metals
- building material class B2 according to DIN 4102
- CE marking
- VDE declaration of conformity
- RoHS approval

Technical data

- adjustable temperature range for PWH 20°C to 70°C
- adjustable temperature range for thermal disinfection 70°C to 90°C
- max. operating temperature primary side 95 °C
- max. operating temperature secondary side 80 °C
- max. working pressure 1 MPa
- given abstraction rates at PWH = 60°C with PWC = 10°C and water temperature in buffer tank = 80°C
- Water content per fresh water station (drinking water side) Device S = 0.71 l
- Water content per fresh water station (heating side) Device S = 0.68 l

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Part no.	cascade	min. abstraction rate (l/min)	max. abstraction rate (l/min)	capacity (KW)	A1	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)
9151000100	Single unit S	1.6	42	146	G 1	639	580	464	126	203	126	97

Part no.	T1 (mm)	T2 (mm)	electr. capacity consumption (W)	kv-value primary circle	flow coefficient value secondary circle	Weight (kg)
9151000100	273	70	70	2.91	2.16	12.50

Accessories

- Temperature sensor set for KTS Water Heaters, figure 916 02 021
- gunmetal sampling valve, figure 187 00
- BACnet gateway for KTS Water Heaters, figure 916 02 022
- KHS Flush Point, 230 V, figure 684 04
- KTS 3-way valve, male, figure 916 02
- PRO WaterManager, without LPWAN, figure 111 01 002
- Tank attachment for KTS water heater (S) PRO, figure 916 02 027

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