



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
- integrated MASTER/SLAVE method for cascade rotation
- 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
- Adaptive controller for high control quality
- includes two temperature sensors with 7 metres pipe length for mounting on the buffer tank
- Up to 8 devices possible
- standard BMS compatibility via RS485 interface (Modbus-RTU)
- with patented measuring track to detect volume flow from 1.6 l/min
- includes two vortex flow sensors with integrated 2-wire Pt1000
- includes 10 bar pressure relief valve installed at factory
- sample valve can be retrofitted
- includes four DN 32 quarter turn stop valves with insulation shells
- 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 30°C optional
- with the option of BACNet connection
- Access to digital services as part of the KEMPER PRO functionalities
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Standards and Approvals

- according to accepted materials list from German environmental agency
- building material class B2 according to DIN 4102
- CE marking
- VDE declaration of conformity
- RoHS approval

Technical data

- adjustable temperature range for PWH 30°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) Appliance M = 2.48 litres, appliance L = 3.53 litres
- Water content per fresh water station (heating side) Device M = 2.23 litres, Device L = 3.28 litres

| 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) | T1 (mm) | T2 (mm) |
|------------|----------------------|--|--|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 9152010100 | single unit M | 1.6 | 75 | 262 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9152000200 | 2-stage cascade M | 1.6 | 150 | 524 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9152000300 | 3-stage cascade M | 1.6 | 225 | 786 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9152000400 | 4-stage cascade M | 1.6 | 300 | 1048 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9152000500 | 5-stage cascade M | 1.6 | 375 | 1310 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9153010100 | single unit L | 1.6 | 120 | 418 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9153000200 | 2-stage cascade | 1.6 | 240 | 836 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9153000300 | 3-stage cascade | 1.6 | 360 | 1254 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9153000400 | 4-stage cascade | 1.6 | 480 | 1672 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |
| 9153000500 | 5-stage cascade | 1.6 | 600 | 2090 | G 1 1/2 | 749 | 687 | 550 | 320 | 71 | 215 | 94 | 388 | 83 |

| Part no. | electr. capacity consumption (W) | kv-value primary circle | flow coefficient value secondary circle | kg |
|------------|--|-------------------------------|---|--------|
| 9152010100 | 145 | 7.1 | 7 | 56.00 |
| 9152000200 | 290 | 14.2 | 14 | 112.00 |
| 9152000300 | 435 | 21.3 | 21 | 168.00 |
| 9152000400 | 580 | 28.4 | 28 | 224.00 |
| 9152000500 | 725 | 35.5 | 35 | 300.00 |
| 9153010100 | 194 | 10.2 | 9.4 | 62.00 |
| 9153000200 | 388 | 20.4 | 18.8 | 124.00 |
| 9153000300 | 582 | 30.6 | 28.2 | 186.00 |
| 9153000400 | 776 | 40.8 | 37.6 | 248.00 |
| 9153000500 | 970 | 51 | 47 | 330.00 |

Accessories

- gunmetal sampling valve, figure 187 00
- KHS Flush Point, 230 V, figure 684 04
- Temperature sensor set for KTS Water Heaters, figure 916 02 021
- BACnet gateway for KTS Water Heaters, figure 916 02 022
- KTS 3-way valve, male, figure 916 02
- KTS 3-way valve, flanged, figure 916 02

Spare parts

- drain valve made of gunmetal/plastic, figure J7109 173 00
- inner top part for KHS quarter turn stop valves with actuator, figure E0120 686 00
- KHS quarter turn stop valve without servo drive, figure 686 0G
- actuator 230V for KHS quarter turn stop valves, figure 686 00 005/006