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# piko series

AIR-WATER / WATER-WATER CHILLER SYSTEMS

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# piko series

## AIR-WATER / WATER-WATER CHILLER SYSTEMS FROM 250 W TO 3,500 W

model PI			0017	0033	0057	0072	0093	0121	0210	0300	
cooling capacity (standard pump by 4 l/min and 3,5 bar)	@20 °C flow, 20 °C ambient	W	300	400	720	900	1150	1620	2400	3500	
	@20 °C flow, 35 °C ambient	W	170	330	570	720	930	1210	2100	3000	
temperature stability		K	≤ 0.1K								
dimensions	width (19" slot) x depth approx.	mm	640								790
	height (1HE = 44.5mm)	HU	4	5	6	6	7	7	9	12	
	weight approx.	kg	32	36	40	42	50	55	65	90	
loop cooling water flow		°C	10 – 35								
water-water cooler	process water temperatur	°C	5 – 25								
	required flow	l/min	5 – 10								
power supply		V	230 V (AC) ± 10%, more available								
power consumption		A	<2.5	<3.2	<6.5	<7.0	<7.5	<8.0	<9.0	<10	
operating frequency		Hz	50 and 60								50 or 60
supply connection			IEC connector with EMC filter								



### ADVANTAGES AT A GLANCE:

- › SIZE AND SERVICE OPTIMIZED 19" CONCEPT
- › TEMPERATURE CONTROL (COOLING / HEATING)
- › NEW MODULAR CONTROLLER PLATFORM
- › TEMPERATURE STABILITY  $\leq 0.1K$
- › SUITABLE FOR A VARIETY OF FLUID MEDIA
- › REDUCED NOISE AND VIBRATIONS
- › ENERGY EFFICIENT AND SPACE-SAVING
- › INNOVATIVE DESIGN
- › SERVICE-FRIENDLY FRONT PANEL ACCESS

### RELIABLE AND EFFICIENT

The new controller platform ensures the reliable and uninterrupted monitoring of our cooling systems. It controls the cooling units very precisely and efficiently within the pre-set limits and records all relevant parameters in real-time.

The software included in the scope of delivery enables the evaluation of all readings. Error messages and status reports can be directly transferred to end units and computers via Ethernet or Internet connections. If a malfunction occurs, the error can be diagnosed at any time on site or via remote access.

### EQUIPMENT

- › suitable for DI water or water with additives
- › flow measurement and monitoring
- › adjustable water bypass valve
- › remote start via 24V DC signal
- › speed-controlled fan
- › level indicator
- › interface RS 232 etc.

### OPTIONS

- › conductivity measurement and control with display
- › ambient temperature display
- › pressure measurement and display
- › heating / temperature control
- › cooling capacity measurement
- › air filter, water filters, DI-cartridge and pressure relief valve
- › interface Ethernet, RS 485 etc.

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# piko p10080 48 V DC

AIR-WATER / WATER-WATER CHILLER SYSTEM

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# piko p10080 48 V DC

AIR-WATER / WATER-WATER CHILLER SYSTEM WITH 800W COOLING CAPACITY

cooling capacity (standard pump at 6l/min and 2,5 bar)	@20 °C flow, 20 °C environment	W	1000
	@20 °C flow, 32 °C environment	W	800
temperature stability		K	≤ 0.1K
dimensions	width (19" rack) x depth approx.	mm	640
	height (1HE = 44.5 mm)	HE	5
	weight approx.	kg	18
loop cooling water flow		°C	10 – 35
water-water cooler	process water temperatur	°C	5 – 25
	required flow	l/min	5 – 10
power supply		V	48 V DC
power consumption		A	<12



## ADVANTAGES AT A GLANCE:

- › 48V DC-POWER SUPPLY
- › SIZE AND SERVICE OPTIMIZED 19" CONCEPT
- › TEMPERATURE CONTROL (COOLING / HEATING)
- › NEW MODULAR CONTROLLER PLATFORM
- › TEMPERATUR STABILITY ≤ 0.1K
- › SUITABLE FOR A VARIETY OF FLUID MEDIA
- › REDUCED NOISE AND VIBRATIONS
- › ENERGY EFFICIENT AND SPACE-SAVING
- › INNOVATIVE DESIGN
- › SERVICE-FRIENDLY FRONT PANEL ACCESS

## RELIABLE AND EFFICIENT

The new controller platform ensures the reliable and uninterrupted monitoring of our cooling systems. It controls the cooling units very precisely and efficiently within the pre-set limits and records all relevant parameters in real-time.

The software included in the scope of delivery enables the evaluation of all readings. Error messages and status reports can be directly transferred to end units and computers via Ethernet or Internet connections. If a malfunction occurs, the error can be diagnosed at any time on site or via remote access.

## EQUIPMENT

- › suitable for DI water or water with additives
- › flow measurement and monitoring
- › adjustable water bypass valve
- › remote start via 24-48V DC signal
- › speed-controlled fan
- › level indicator
- › interface RS 232 etc.

## OPTIONS

- › conductivity measurement and control with display
- › ambient temperature display
- › pressure measurement and display
- › heating / temperature control
- › cooling capacity measurement
- › air filter, water filters, DI-cartridge and pressure relief valve
- › interface Ethernet, RS 485 etc.



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