

Immersion chillers E series

DAIKIN

DELTATHERM



DAIKIN Fluid Technology GmbH

Partner of the industry for over 55 years

DAIKIN Fluid Technology GmbH combines the technological heritage and more than 55 years of experience of DELTATHERM®, founded in 1971 in Much, Germany, with the global expertise of the DAIKIN Group. Since 2026, the company has entered a new era as part of Daikin Industries, offering industrial cooling and temperature control solutions that unite maximum efficiency, reliability, and sustainability.

Since its foundation, the company has been supplying a wide range of industries – including machine tool manufacturing, laser technology, chemical and food processing industries, and environmental testing – with high-quality and durable cooling systems. The high level of vertical integration and flexibility in customer-specific design developed by DELTATHERM® are now complemented by advanced control technology, energy-efficient solutions, and the global quality standards of the DAIKIN Group.

The portfolio includes industrial chillers, heat exchanger systems, process temperature control units, heating systems, and a variety of cooling components. From standard units to customized special solutions, systems are developed that are optimally tailored to customers' individual production processes. A nearly complete in-house manufacturing depth – from engineering and software development to control cabinet construction, assembly, painting, and comprehensive functional testing – ensures the highest quality standards and fast response times. All core components are sourced exclusively from globally renowned manufacturers to guarantee maximum reliability.

In the field of after-sales service, DAIKIN Fluid Technology GmbH provides reliable, globally supported customer service. In addition to the long-established international DELTATHERM service network spanning more than 60 countries, customers now benefit from the expanded service infrastructure of the DAIKIN Group.

With the commitment "High Quality, High Efficiency, High Reliability," DAIKIN Fluid Technology GmbH develops solutions that ensure maximum temperature stability, safeguard production processes, and at the same time support the transition toward a sustainable industrial future. The company combines technological strength with global competence, creating a new generation of industrial cooling and temperature control systems together with its customers:

- Global plant service
- Service hotline to our experts, in German and English
- All standard components in stock and available globally in the shortest time by express mail
- Replacement part availability > 95 %
- An expanding worldwide network of service partners with locations on 6 continents – in Europe, North America, South America, Africa, Asia and Australia
- Online service, through which we can check and maintain your systems
- Ensuring the productivity of your DELTATHERM® machines

■ Made
■ in
■ Germany



Series type E

Standard immersion chillers for mounting in the capacity range 1.7 kW to 115 kW*

Type E standard equipment

- Submersible part made from high-quality stainless steel frame
- Base plate made from high-quality stainless steel
- Pipe coil evaporator made from stainless steel
- Pipe coil mounting made from PE or stainless steel
- Cabinet, protection class at least IP 54
- All standard systems approved for up to 42 °C ambient temperature
- The most modern compressor technology with efficient and low-noise scroll compressors
- Condenser with copper pipes and pressed-on aluminium lamellae
- Temperature control via digital thermostat with temperature hysteresis +/- 1.0 K
- TÜV-tested high and low pressure limiter in the cooling circuit
- Environmentally-friendly and CFC-free coolant
- CE-compliant / ISO 9001 / EN 60204
- Air vacuum filter
- Flat evaporator for low medium level

Type E options

- DC control voltage
- Piping for better heat exchange
- Winter starting device
- Collective fault message
- Potential-free fault message
- Special voltages
- Frequency 60 Hz
- Medium temperature max + 40 °C
- Wire marking
- Harting plug or other connector
- Coolant R 134 a
- Temperature hysteresis from +/- 0.3 K
- System able to be switched off by temperature alarm
- Special piping for highly viscous oils
- Ambient temperature > 45 °C
- Differential control
- Water-cooled condensers
- Radial fan for external air compression
- UL-/CSA-compliant
- IP 65
- Special immersion dimensions
- Labels in multiple languages
- Remote monitoring via internet

Due to the wide range of versions of our products the images only represent a few examples. The actual devices can differ substantially.

*at 20°C Medium temperature

Series type E	Unit	E2	E3	E4	E5	E6	E7	E8	E9	E10
Cooling capacity at medium temperature										
+ 15°C	kW	1.5	3.0	4.6	5.5	7.8	9.2	11.8	14.0	18.5
+ 20 °C	kW	1.7	3.8	5.0	6.8	9.5	11.1	14.8	17.0	22.5
+ 25°C	kW	1,9	4,1	5,3	7,2	10.5	13.0	18.2	20.0	27.4
Ambient temperature in	°C	32	32	32	32	32	32	32	32	32
Compressor drive	kW	0.7	1.2	1.6	1,6	2,3	2,6	3,0	3,6	4,6
Number of fans	piece	1	1	1	1	1	1	1	1	1
Air power	m³/h	2100	2100	2100	2100	4520	4520	4520	4520	10200
Total connection capacity (at point of design)	kW	0.8	1.3	1.73	1.73	2.8	3.1	3.5	4.1	5.7
Width (W)	mm	785	785	785	785	785	785	785	785	785
Length (L)	mm	785	785	785	785	785	785	785	785	785
Total height (H)	mm	955	955	955	955	1590	1590	1590	1590	1590
Cover height (H1)	mm	482	482	482	482	1180	1180	1180	1180	1180
Submersible part length (L2)	mm	715	715	715	715	715	715	715	715	715
Submersible part width (W2)	mm	715	715	715	715	715	715	715	715	715
Immersion depth (H2)	mm	470	470	470	470	470	470	470	470	600
Min. medium level emulsion flat evaporator (M)	mm	30	60	60	60	120	150	180	210	270
Min. medium level oil flat evaporator (M)	mm	30	60	90	120	150	180	240	270	360
Weight approx.	kg	98	110	120	120	140	160	165	190	270
Electrical connection		230 V / 50 Hz	230 V / 50 Hz	400 V / 50 Hz						
Series type E	Unit	E11	E12	E13	E14	E15	E16	E17	E18	E19
Cooling capacity at medium temperature										
+ 15°C	kW	19.8	25.2	28.0	31.0	37.0	45.0	62.0	74.0	93.0
+ 20 °C	kW	23.8	31.5	34.5	38.3	45.2	53.0	76.5	90.0	114.9
+ 25°C	kW	28.5	38.7	42.5	46.5	55.2	67.2	93.0	110.0	139.5
Ambient temperature in	°C	32	32	32	32	32	32	32	32	32
Compressor drive	kW	5.1	6.3	7.0	7.7	9.2	14.0	15.4	18.4	23.1
Number of fans	piece	1	1	1	1	2	2	2	3	3
Air power	m³/h	10200	10200	10200	10200	20400	20400	20400	30600	30600
Total connection capacity (at point of design)	kW	6.2	7.4	8.1	8.8	11.4	16.2	17.6	21.7	26.4
Width (W)	mm	785	1085	1085	1085	1600	1600	1600	2250	2250
Length (L)	mm	785	1085	1085	1085	1085	1085	1085	1100	1100
Total height (H)	mm	1590	1780	1780	1780	1980	1980	1980	1980	1980
Cover height (H1)	mm	1180	1180	1180	1180	1180	1180	1180	1180	1180
Submersible part length (L2)	mm	715	1000	1000	1000	1500	1500	1500	2000	2000
Submersible part width (W2)	mm	715	1000	1000	1000	1000	1000	1000	1000	1000
Immersion depth (H2)	mm	600	600	600	600	800	800	800	800	800
Min. medium level emulsion flat evaporator (M)	mm	300	360	300	300	330	270	300	330	450
Min. medium level oil flat evaporator (M)	mm	240	300	360	360	420	360	360	450	570
Weight approx.	kg	420	330	340	350	450	630	910	1500	1700
Electrical connection		400 V / 50 Hz								

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Further products from our product range



Industrial series cooling towers with open or closed circuits from 80 to 18,000 kW cooling capacity



Dry and hybrid coolers for water, oil or emulsion from 0.5 to 15,000 kW cooling capacity



Rack chillers in the power range from 0.15 to 3 kW cooling capacity; as heat exchanger up to 10 kW



Industrial cooling machines for water, oil and emulsion from 0.2 to 5,000 kW cooling capacity



Temperature control systems for water up to 160 °C and oil up to 350 °C



Immersion chillers for water, oil and emulsion from 1.7 to 115 kW cooling capacity

