

Immersion Coolers IK-E (fully-hermetic) for ambient temperature up to 42°C



Immersion cooler IK-E 5

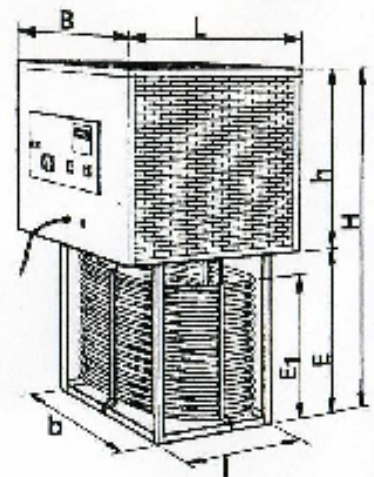
IK-E 2 bis IK-E 40

Coolagain immersion coolers can be used to cool emulsions, oil, acids or other solutions as well as filter equipment and machine tools.

Units for indoor and outdoor with capacities between 2,3 and 46,5kW. Units of this size bring together decades of experience in refrigeration technology and modern production processes. They set, thereby, benchmarks in efficiency and reliability.

Technical data

Type		IK-E 2	IK-E 3	IK-E 5	IK-E 7
Refrigerant		R 134a	R 134a	R 134a	R 134a
Nominal output	kcal/h*	2.000	3.200	5.200	7.800
Nominal output	kW*	2,3	3,7	6,1	9,1
Connected power	kW	1,27	2,07	3,74	4,00
Rated voltage	V/Hz	1x230/N/PE/50	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50
Control voltage	V	230 AC	24 AC	24 AC	24 AC
Maximum current	A	7,6	4,4	5,4	9,0
Dimensions					
L: length	mm	700	700	700	835
B: width	mm	665	665	665	735
h: cap height	mm	505	505	505	705
H: height	mm	1005	1005	1005	1365
E1: basket height (Cu-Wt)	mm	270	290	310	475
E1: basketheight (St-Wt)**	mm	300	340	340	540
E: immersion depth	mm	500	500	500	660
b: frame width	mm	590	590	590	590
l: frame length	mm	460	460	460	460
Weight ca.	kg	93	97	110	170



Type		IK-E 9	IK-E 12	IK-E 14	IK-E 18	IK-E 23	IK-E 28	IK-E 34	IK-E 40
Refrigerant		R 404a	R 404a	R 404a	R 404a	R 404a	R 404a	R 404a	R 404a
Nominal output	kcal/h*	9.750	12.000	14.000	18.000	23.800	28.000	34.000	40.000
Nominal output	kW*	11,3	14,0	16,3	21,0	27,7	32,6	39,6	46,5
Connected power	kW	4,60	6,30	7,25	9,55	12,65	15,14	15,15	18,15
Rated voltage	V/Hz	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50	3x400/N/PE/50
Control voltage	V	24 AC	24 AC	24 AC	24 AC	24 AC	24 AC	24 AC	24 AC
Maximum current	A	10,3	12,9	14,3	19,2	24,3	28,0	28,0	36,8
Dimensions									
L: length	mm	835	835	1460	1460	1650	1650	1775	1775
B: width	mm	735	735	820	820	930	930	1100	1100
h: cap height	mm	705	705	740	835	845	845	960	960
H: height	mm	1365	1365	1440	1535	1745	1745	1860	1860
E1: basket height (Cu-Wt)	mm	475	475	475	500	475	550	550	550
E1: basketheight (St-Wt)**	mm	540	540	490	490	490	600	600	600
E: immersion depth	mm	660	660	700	700	900	900	900	900
b: frame width	mm	590	590	620	620	800	800	940	940
l: frame length	mm	460	460	1000	1000	1270	1270	1300	1300
Weight ca.	kg	170	180	315	355	465	510	613	708

* The mentioned cooling capacity refers to an ambient temperature of +32°C, the water inlet temperature is +15°C.
If the water inlet temperature is lower, the cooling capacity decrease about 3% per °C.

** At stainless steel evaporator

Standard equipment Immersion cooler between IK-E 2 and IK-E 40:

- **Units of water and emulsions**
- **Electronic thermostat with LCD display**
soll- and ist-value display in steps of 0,1°C
with integrated status display 1 - 4 and error detection system F1 - F5
- **Motor compresor fully-hermetic**
- **Cu-snake tube evaporator**
- **Agitator**
- **Insulated closed bottom plate**
- **Air cooled lamella-capacitor with axial fan**
- **Paint: blue, similar to RAL 5012 structural**



thermostat MRF

Versions:

- **Systems with water cooled condenser IK-E_W**
for connection to a water circulation system

Over and above this our units can be supplied with accessories, e.g., with special pumps, special paint color, in stainless steel, liquid circuit for corrosive agents, units with special voltage, units with a heating and much more ...