

Immersion cooler OBK 5 E

Technical data

Immersion cooler OBK is a compressor chiller for cooling emulsion. Each unit is equipped with a capacity-adapted open evaporator loop made of stainless steel. This is placed directly into the medium to be cooled. The waste heat generated during the cooling process is discharged to the ambient air. The housing is self-supporting and coated according to the specification.

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Refrigerant	R 134a
Cooling capacity at 32 °C ambient temperature	4,4 4,9 kW
with a water flow of	+15 +20 °C
Switching hysteresis	+/- 1 K
Ambient temperature	+10 up to +42 °C
Water set point	+ 13,5 up to + 35 °C
Air power	4.500 m ³ /h
Maximum connection power	3,6 kW
Maximum power consumption	6,6 A
Power type	400 V, 50 Hz, 3Ph, PE
Immersion depth	500 mm
Length of the immersion part	715 mm
Width of the immersion part	715 mm
Weight	140 kg
Dimensions L x B x H	785 x 785 x 1.320 mm
Sound pressure level at 1m distance	68 dB(A)



Image similar

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Covering

- Powder coated RAL7021
- removable on two sides
- Air inlet from the right
- Hot air outlet to the top

Refrigeration circuit

- completely hermetic, with all necessary fittings such as service ports, connections for external high and low pressure gauge
- energy-saving scroll refrigeration compressor
- Stainless steel evaporator open out of the unit
- air-cooled condenser with capacity-controlled fan
- thermostatic expansion valve, receiver, filter drier, high and low pressure switch, sight glass with humidity indicator
- suction gas line insulated against diffusion
- Oil and refrigerant charge

Electrical control cabinet

- in completely closed, dust-tight design
- completely wired with all switching, control and monitoring devices
- Safety chain with high and low pressure pressostat and motor protection switches
- Adjustable electronic digital thermostat for complete electrical control
- Collective fault signal, potential free
- Power controlled condensing fan

Options for cooling unit type OBK-E :

1. control voltage 24V DC
2. hot gas bypass control for increased temperature constancy +/- 0,1 K
3. water-cooled condenser