

Tube Coil Condenser type LRK

Description

LRK Tube Coil Condensers consist of a cylindrical steel shell containing the finned tube coil of copper. The shell is of welded construction and equipped with fixing brackets.



The refrigerant vapour enters the vertical shell and condenses on the finned tube spirals. The falling condensate is collected in the lower part of the shell. In one design type the condensate is even subcooled by another finned tube spiral.

The cooling medium, usually domestic or heating water, flows in the opposite direction on the inside of the finned tube spirals.

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Application

LRK Tube Coil Condensers are used for cooling and condensation of refrigerants in:

- Heat pumps
- Refrigeration and cooling units
- Heat recovery units
- Air-conditioning cabinets
- Temperature stabilizers

	Condensing circuit	Cooling circuit
Medium	Refrigerant	Water, water-glycol mixtures
Max. flow rate (dependent on type)		3,400 l/h
Max. operating pressure	22 bar	10 bar
Max. operating temperature	140 °C	90 °C
Approx. capacity	4.5 - 29 kW	

Materials

	Copper design
Shell tube	Carbon steel
Finned tube coils	Cu-DHP
Connection fittings shell side	Cu-DHP
Connection fittings tube side	Cu-DHP

Approvals

Schmöle is in possession of a certified Quality Management System to DIN EN ISO 9001 and of an approval to Pressure Equipment Directive (PED) 97/23/EC.