

Heat Exchangers

Tube Coil Evaporators type LRV

Description

LRV Tube Coil Evaporators 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 total shell surface is protected outside and inside with a plastic coating against corrosion.

Due to the unscrewable cover flange, the heat exchanger can be removed for cleaning purposes.

The refrigerant is uniformly injected into the individual finned tubes by means of a manifold unit. The heating medium is circulating in cross-counter current on the shell side around the tube coil heat exchanger.



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Application

LRV Tube Coil Evaporators are used for evaporation of refrigerants in:

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

	Evaporating circuit	Heating circuit
Medium	Refrigerant	Water, water-glycol mixtures
Max. flow rate (dependent on type)		4,500 l/h
Max. operating pressure	23.5 bar	6 bar
Max. operating temperature	140 °C	60 °C
Approx. capacity	9 - 32 kW	

Materials

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