# Coaxial HEAT EXCHANGERS WKC, WKE

## Product general information

**WKC coaxial counter-flow condensers:** are normally used in applications which require high water temperatures in conjunction with the use of hot gaseous refrigerant and also offer excellent value for money.

**WKE coaxial counter-flow evaporators:** are the preferred choice in applications where water needs to be cooled a lot without freezing and also offer reliable superheating of the suction vapour.

## 1.Operation

Fluids (for **WKC**): Refrigerant (R134a, R404A, R407C, R410A, R22, R32 R507; Coolant (Drinking water or hot water, circulating water e. g. heating water, groundwater, swimming pool water)

Fluids (for **WKE**): Refrigerant (R134a, R404A, R407C, R410A, R22, R32 R507; Coolant (Circulating water e. g. heating water, groundwater, water with anti-freeze additives e. g. Antifrogen N)

**WKC and WKE Max. allowable working temperature: -50 to +150 °C**

**WKC and WKE Max. allowable working pressure; for refrigerant: 35 bar, for coolant: 15 bar**

## 2.Product applications

Used for: heat pumps (hot water), chillers and refrigeration systems, devices for the simulation of environmental conditions and temperature control devices/climate chambers

## 3.Product benefits

- ✓ High specific performance through optimised inner tubes
- ✓ Compact and lightweight design
- ✓ Counter flow
- ✓ Frost-proof
- ✓ Low susceptibility to fouling
- ✓ Long life
- ✓ High system pressure possible (e.g. R410A, R744, R32)
- ✓ Reversible operation possible
- ✓ Standard heat exchangers are available from stock

## 4.Parts and material designations

The heat exchangers mainly consist of four parts:

Inner and outer tubes and T-fittings: **Cu-DHP**

Brazed joints made of **hard solder**

## 5.Quality control system

**DIN EN ISO 9001**

V. 2

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