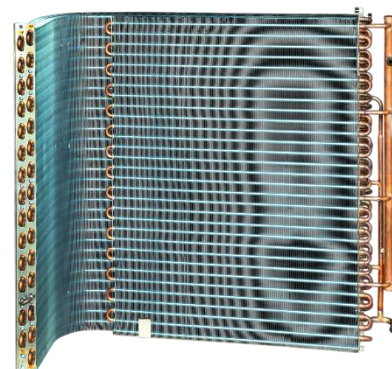


Application

Newly developed air-cooled fin-tube heat exchanger is specially designed for application in refrigeration and heat pump systems of CO₂, which could work either in heating or cooling mode. Inner grooved tubes of diameter $\Phi 5\text{mm}$ and $\Phi 7\text{mm}$ are highlights of this innovated product, which are mainly for residential and light commercial units respectively.



Features

- $\Phi 5\text{mm}$ and $\Phi 7\text{mm}$ inner micro-grooved copper tubes specially for CO₂ application;
- Diversity of fin patterns meets various requirements
- Owing to the small tube size, miniaturization of heat exchanger construction can be achieved, which gives rise to a significant reduction of refrigerant charge as well as material saving;
- High pressure strength.
- Hydrophilic coating and the best drainage performance.

Technical Data

Applicable Medium: R744 (CO₂) + PAG oil

Relative Humidity: $\leq 95\%$

Medium Temperature: $-30^{\circ}\text{C} \sim +120^{\circ}\text{C}$

Ambient Temperature: $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Max. Operating Pressure: $\leq 9.0 \text{ MPa}$

Mould Information

Tube Diameter [mm]	Tube Vertical Spacing [mm]	Tube Horizontal Spacing [mm]	Fin Pattern	Fin Pitch [mm]
$\Phi 5$	19.05	16.5	Louvered / Corrugated / Flat	1.2 ~ 3.5
$\Phi 7$	21	12.7	Lanced, Louver, Flat	1.2 ~ 2.2
$\Phi 7$	21	18.2	Louver, Corrugated, Flat	1.2 ~ 3.0
$\Phi 7$	19.05	16.5	Flat / Corrugated / Split	1.2 ~ 2.2

Note:

Customization is possible.