



# Heat Exchangers

Established in 1957, Frizair Private Limited is one of India's oldest and largest manufacturers of Fin and Tube heat exchangers.

Frizair has introduced many new products to the Indian HVAC & R markets such as automotive air conditioners, enhanced fin surface, rotary compressors, central air coolers, 10+ EER air conditioners, Super7 PATTERN-7 mm tube heat exchangers, aluminium tube heat exchangers and the 5+ PATTERN - 5 mm tube heat exchangers.

Frizair has introduced innovative and cost-effective Fin and Tube designs for heat exchangers used for various heating and cooling applications. The 5+ PATTERN for heat exchangers uses 5 mm tubes and can be used as a drop-in replacement for many existing heat exchanger designs. The 5+ PATTERN offers a compact size, light weight, lower refrigerant volumes which saves on refrigerant cost. Our 5+ range is ideal for use with new, eco-friendly refrigerants and also reduces raw material and energy consumption.

Frizair's customers include global leaders and large multinational companies.

Frizair's products are manufactured at a new state-of-the-art, fully automated facility using the latest machinery and manufacturing technologies.

## SALIENT FEATURES

Helium Leak tested at 40 bar

Contamination and moisture free

High efficiency fin designs

Lightweight corrosion resistant & cost-effective solutions available

No tearing of collars

Wide range of coils

Fast deliveries

Mechanical expansion

Dry and clean

Aluminium tube heat exchangers available

CED, Hydrophilic and Hydrophobic coatings



**FRIZAIR**®



## SPECIFICATIONS

Tube Diameter	9.52 mm & 7 mm	5 mm
Material	Copper / Aluminium	
Type	Plain / Internally grooved tube	
<b>Fin</b> Material	Aluminium / Copper	
Type	Flat / Corrugated / Dual Penta Louvered Fins	
Coating	Bare / Hydrophilic / Hydrophobic / CED Coatings	
Edge	Straight / Rippled	
End Plate Material	Galvanised Steel / Aluminium	
Fin Tube Bond	Permanent tight metal bond achieved by mechanical expansion	
Bent Coils	Bent coils in L or C or D shape can be supplied	
Leak Test	Helium Leak Tested	
Pattern	1" Tube Spacing X 0.866" Row spacing (25.4 mm X 22 mm), Staggered	0.75" Tube spacing X 0.650" Row spacing (19.05 mm X 16.50 mm), Staggered
Tube Spacing	1.000" (25.4 mm)	0.750" (19.05 mm)
Row Spacing	0.866" (22 mm)	0.650" (16.50 mm)
No. of Tubes	1 to 36 max	1 to 36 max
No. of Rows	1 to 10	1 to 10
Fin / Coil Width	48" (1220 mm) Max	31.5" (800 mm) Max
Fin / Coil Height	36" (914 mm) Max	27" (686 mm) Max
Fins per inch	4-21	8-21

# FRIZAIR®

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