



Nbr Makina ve Yedek Parca San. ve Tic. Ltd. Sti.

*"Unerring Craftsmanship,  
Lifelong Durability"*

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# History

## AS “NBR”;

- 1987 Established by Mr. Ercan Konuk and Mr. Erhan Konuk in Bursa, production of rubber parts and rubber moulds,
- 1995 Entering to white goods industry with production of inox refrigerator - doors and handles,
- 1998 Serpantines, suction tubes production,
- 1999 No frost evaporator production,
- 2000 Opening of Manisa plant,
- 2002 Tube on plate evaporator production,
- 2004 Tube on sheet condenser production,
- 2006 Aluminium tube extrusion plant,
- 2009 Opening of Eskişehir plant and defrost heating elements production,
- 2010 Dryer heat exchanger production,
- 2015 Opening Romania NBR-DELTA plant
- 2019 Opening new Bursa plant,
- 2020 Added 4000 m2 production area to Eskişehir Plant.
- 2021 Hotgas production
- 2022 Korean type fin evaporatör production.
- 2023 Foil heater and tubular heater production.
- 2023 New AI tube production plant at Salihli/Manisa.



Production under 40.000 sqm in 4 plants,  
600 employees,



# Aluminium Tube & Products Of Aluminium Tube

It is produced different size tubular aluminium tube for cooling components production. Aluminium tube production is done according to EN AW -1070A ,1085. EN AW AL . 99,7, 99,8 Aluminium untreated extruded tubes acc. to DIN EN 755-1, Al 99,7 -99,8 DIN 1725-1,3.0275 DIN 1725-NBR has been produced according to ISO 9001:2015 Quality Management System. Chemical composition is according to DIN 573-3 .

**Test:**

Internal pressure of tube is 20 bar and pressure drop is 2 bar.

**Raw Material:**

\*Purity of Aluminium Al 99,5 % - Al 99.80 % (1050,1060,1070,1080,1085)



OD		WT	
min.	max.	min.	max.
4,5mm	50mm	0,5mm	5mm

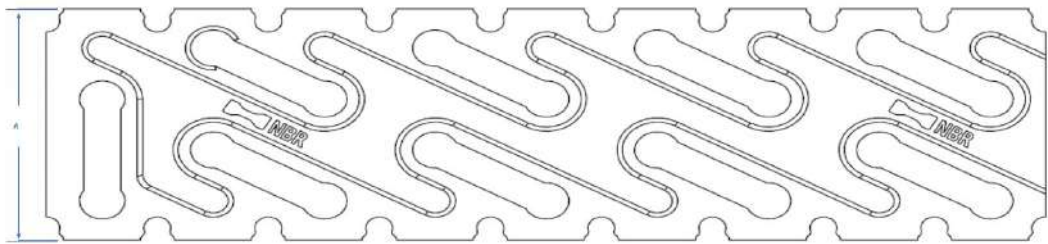
Aluminium tube dimensions and Coil Dimensions;

ID	OD		HEIGHT		AMOUNT	
	min.	max.	min.	max.	min.	max.
500mm	750mm	1050mm	300mm	510mm	50kg	150kg

# No-Frost Fin Evaporator

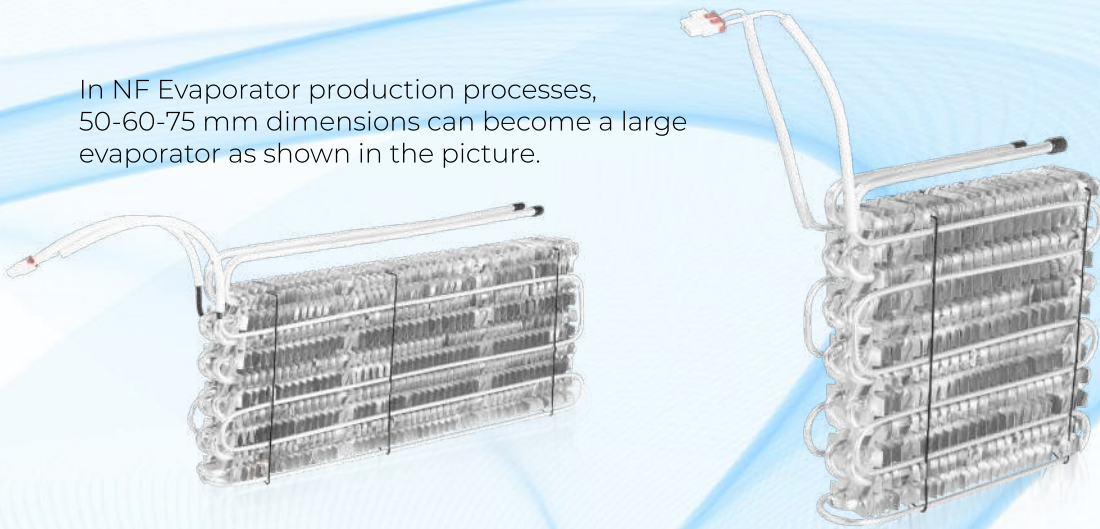


No Frost Fin Evaporator is done different form and dimension for No-frost Refrigerator. According to customer request, Fixing brackets for No frost evaporator, heater and thermo couple are xed. All No frost evaporator are done leakage test %100. Additionally it is done internal cleanles test too. It is also done painting acc. to customer request.



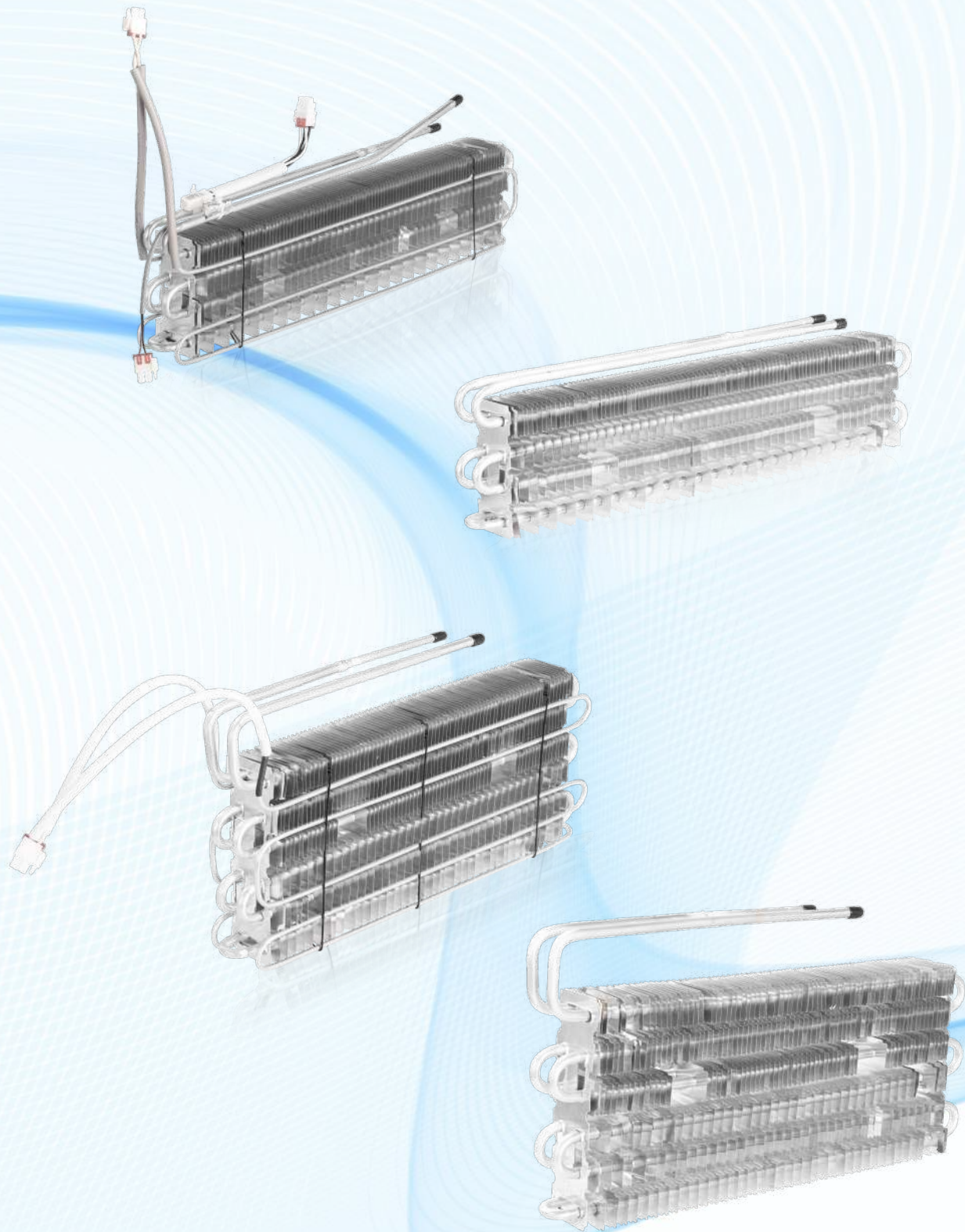
FIN WIDTH (A) mm	TUBE DIAMETER (mm)	PITCH (mm)
50/60/75	Ø 8,00	min.4mm
40	Ø 6,35	min.4mm
40	Ø 6,00	min.4mm
22	Ø 8,00	min.5mm

In NF Evaporator production processes, 50-60-75 mm dimensions can become a large evaporator as shown in the picture.





## Korean Type No-Frost Fin Evaporator



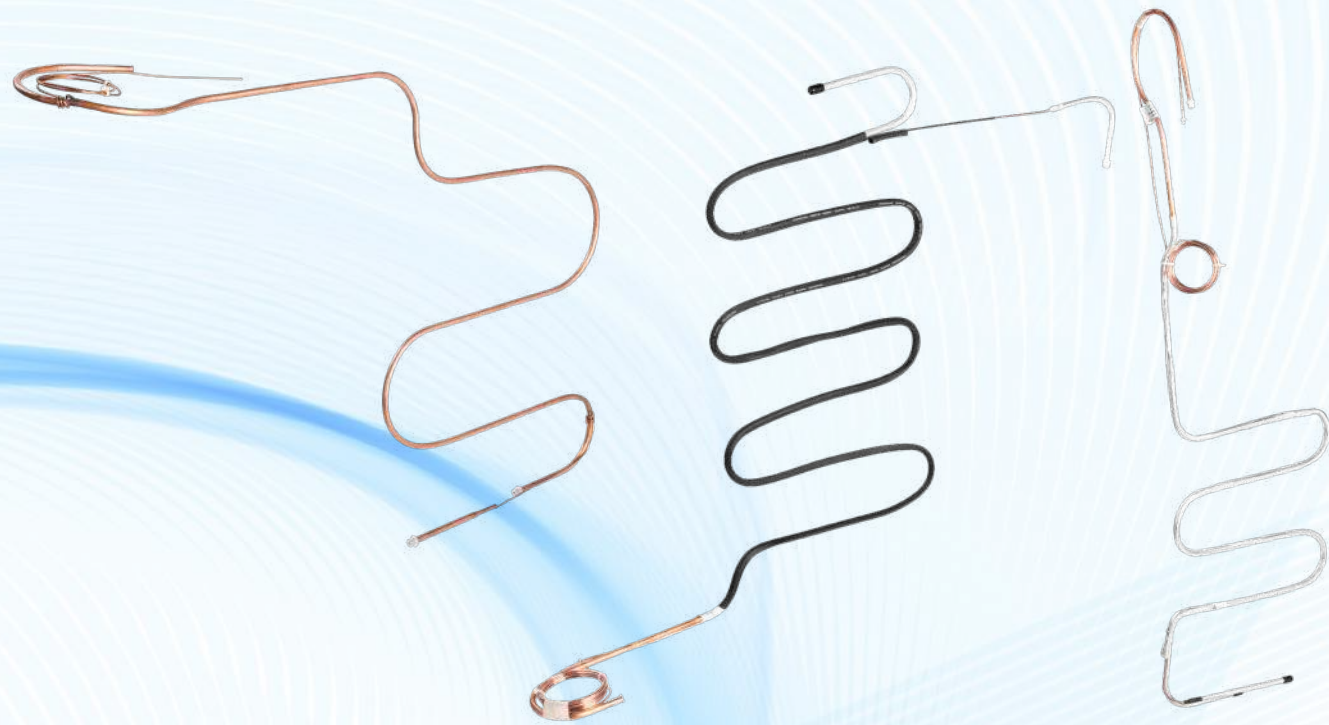
## Tube On Plate Evaporator

The tube on plate evaporator in general consists of a thin aluminium plate and an aluminium tube serpentine xed on one side of it.





## Heat Exchanger



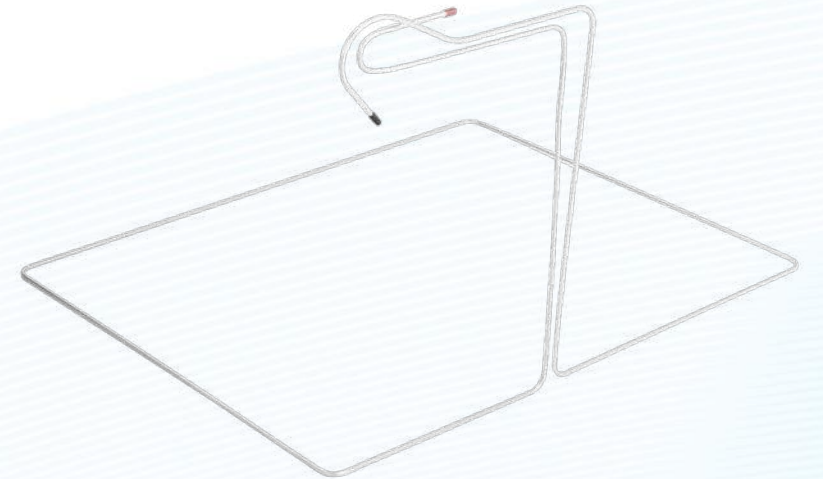
## Copper Capillary Tube



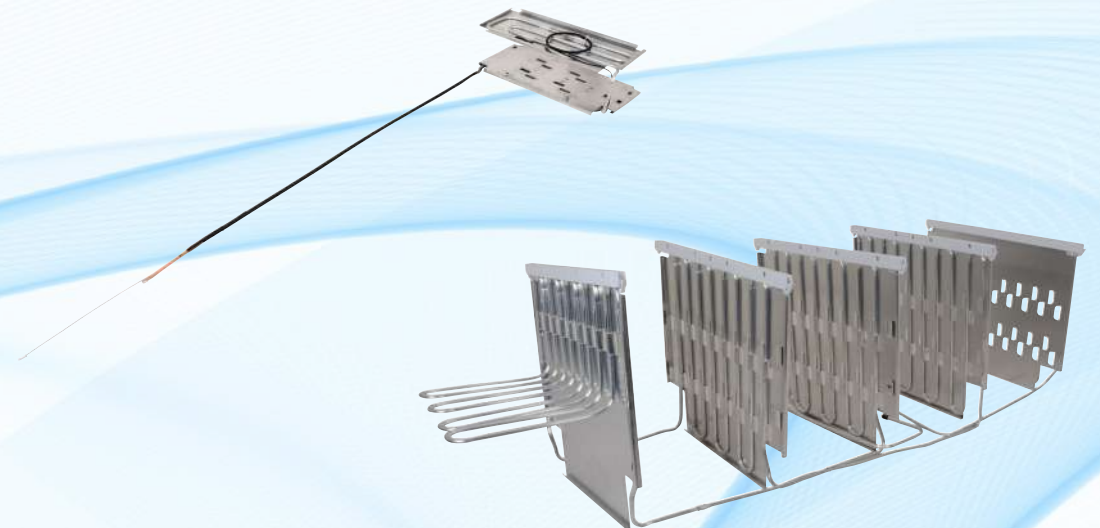
## Skin Condenser



## Hot-Gas Tube



## Tube On Sheet Evaporator



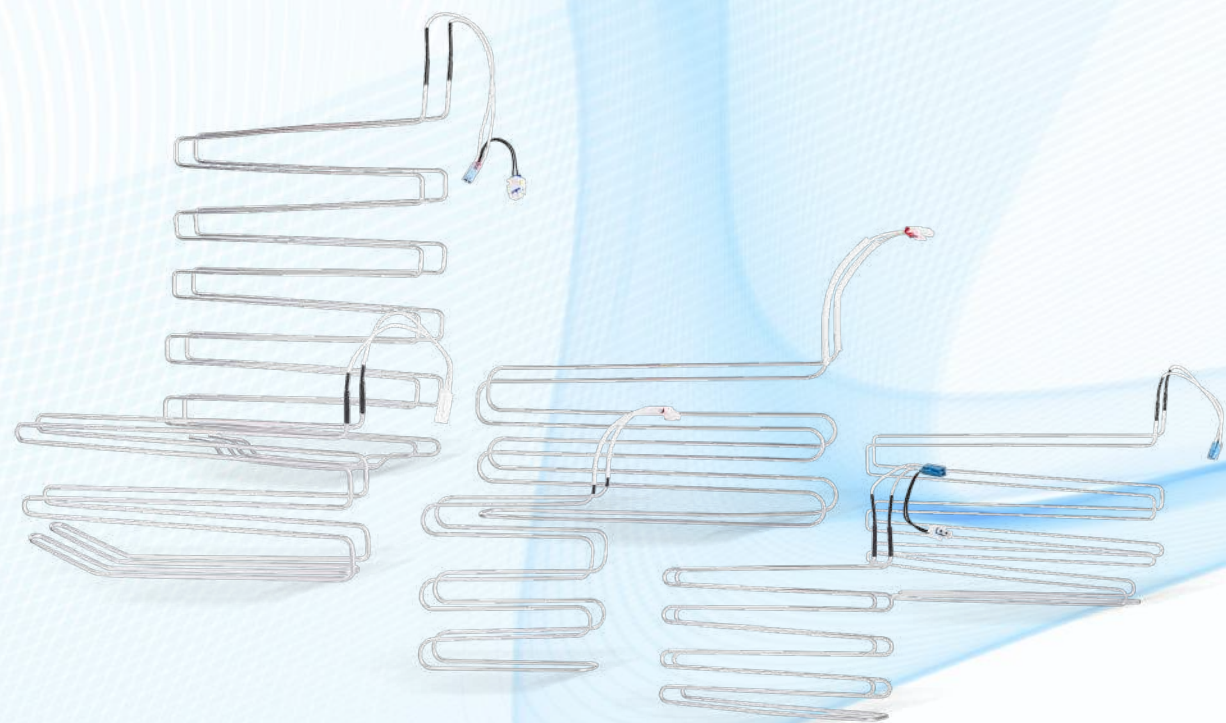


## Heaters

### Foil Heaters



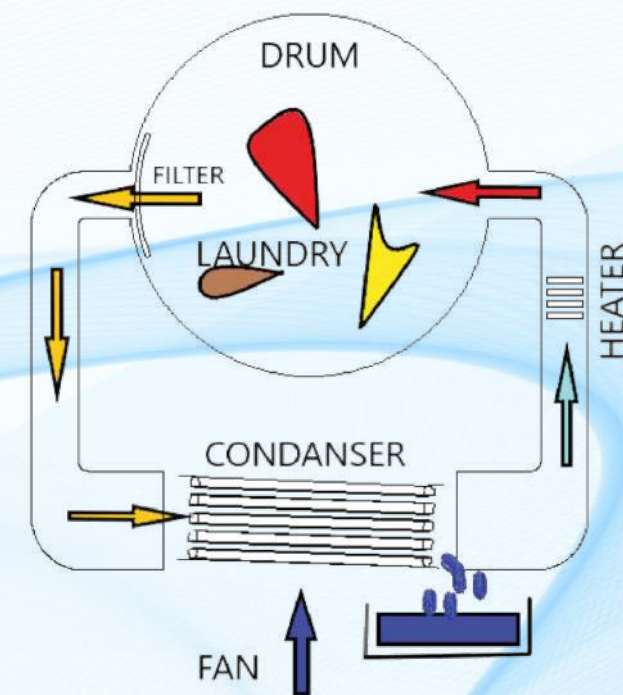
### Al.Tubular Defrost Heaters



## Tumble Dryers Components

### Dryer Condenser

Heat Exchanger for Condensation Type Clothes Dryers (Air-Air)

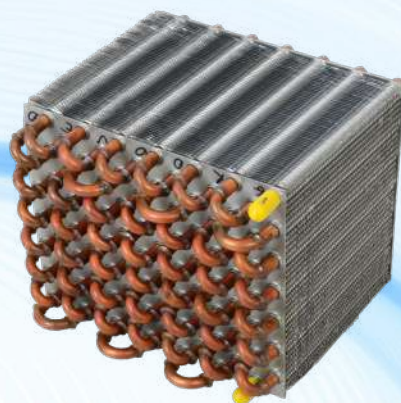




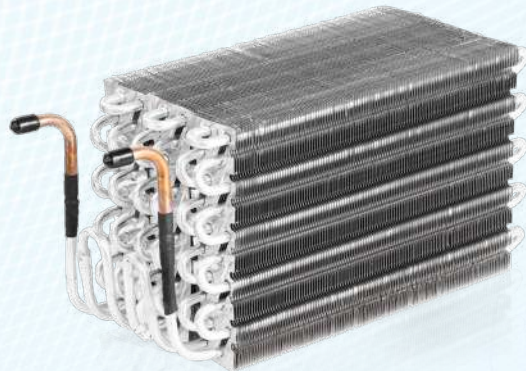
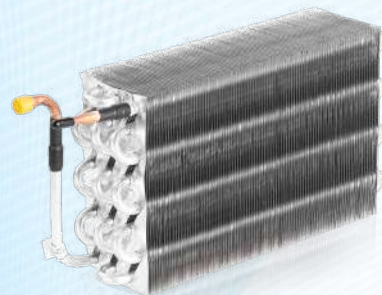
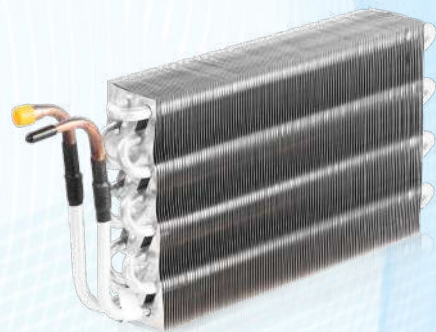
# Tumble Dryers Heat Pump Components

## Tumble Dryers Heat Pump Evaporator + Condensers

Evaporator + Condensers with Copper Tubes

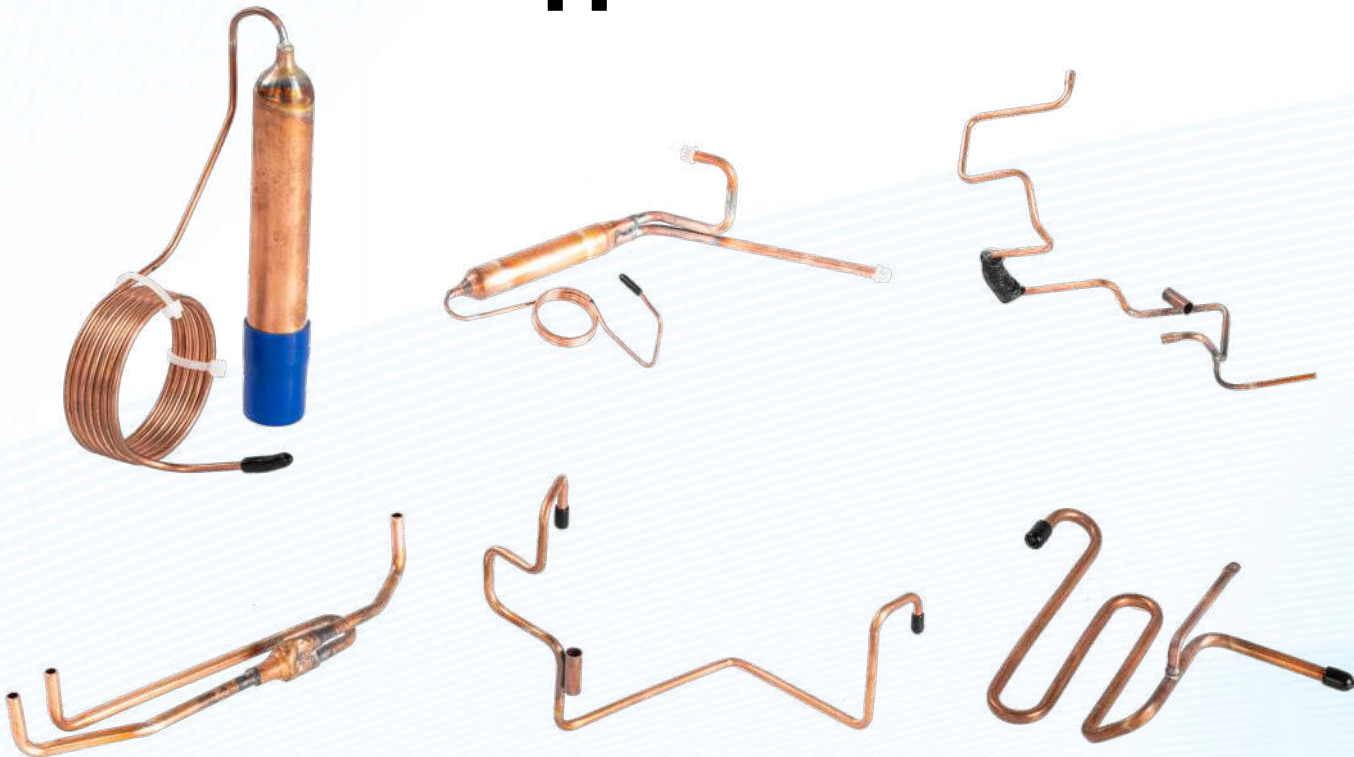


GEOMETRY			PITCH (mm)
TUBE SPACING		TUBE DIAMETER Ø (mm)	
Vertical (mm)	Horizontal (mm)		
19,05	16,45	5	1,6-3,0
21,00	12,70	7	1,6-2,5
21,00	18,19	7	1,6-3,0
25,00	21,65	7	1,6-5,0



FIN WIDTH (A) mm	TUBE DIAMETER mm	PITCH mm
50/60/75	Ø8,00	min.200
50	Ø6,35	min.200
50	Ø6,00	min.200
40,4	Ø6,00	min.200
40,4	Ø6,35	min.200

# Air Conditioner Connection Copper Parts



# Air Conditioner Assm Kit





# Certificates



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# Production Centers

## BURSA PLANT

Turanköy Mah. Ankara Yolu Caddesi No: 566 Kestel - Bursa / TURKEY

Tel: +90 ( 224 ) 384 10 70

## MANİSA PLANT

Muradiye San.Böl. Sanatkarlar Cad. No: 6 Yunusemre - Manisa / TURKEY

Tel: +90 ( 850 ) 227 03 04

## ESKİŞEHİR PLANT

Eskişehir Org. San. Böl. 8. Cad No: 37 Eskişehir / TURKEY

Tel: +90 ( 222 ) 236 25 59

## ROMANIA PLANT

SLATINA, jud. OLT str. CRISAN, Nr. 31G ROMANIA

Tel: +40371 365 172

# Business Partners







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