

Evaporators and air coolers REC, RBCT and RGC

Series R_BF A is consisting of cubic evaporators and air coolers very compact for cold rooms with small and medium dimensions used for storage of foodstuffs, with volume from 20 to 500 m³. Thanks their strong construction, they are suitable for storage of fresh and frozen products with temperatures from -30 to +20 °C. The wide range of available models (468 standard models) permit to satisfy every type of plant necessity and their square geometry ensure high cooling capacity and medium or low air flow rate.



These units are available with different type of refrigerants:

- Dry expansion evaporators HFC
- Air coolers for no frost solutions
- Dry expansion evaporators CO₂

Capacity range from 1 to 60 kW

Casing

The frame design provides high rigidity.

Casing manufactured from galvanized steel powder painted colour RAL 9002, corrosion resistant.

All rivets and bolts are in stainless steel AISI 304.

Heat exchanger

Heat exchanger is equipped with suspending tubes system that avoid the contact between tubes and frame and it provides full protection of the heat exchanger against vibrations and thermal expansions.

The coil is realized with copper pipes (rippled for REC and RBCT to grant high efficiency and optimal evaporation, smooth for RGBF, diam. 12 mm and minimum thickness 0,3 mm) and aluminium fins.

Evaporators HFC: PS 30 bar and TS -40 / +120 °C, according to standards PED 2014/68/EU.

Evaporators CO₂: PS 33, 45 and 60 bar and TS -45 / +120 °C, according to standards PED 2014/68/EU.

Air coolers: PS 16 bar and TS -40 / +120 °C, according to standards PED 2014/68/EU.

Fans

High efficiency fans provide high performances with limited power consumption. They are complete of thermal protection, protection grid according to EN ISO 13857, dynamically and statically balanced and according to ErP directive.

AC and EC fans are available with diameter 250, 350, 450 and 500 mm with motors with external rotor, insulation class F, standard protection degree IP 54 (EN 60529).

Standards

The products are designed and manufactured according to following EU Directive:

- PED 2014/68/UE
- 2006/42/CE (Machinery Directive)
- 2014/35/UE (LVD Directive)
- 2014/30/UE (EMC Directive)

Options

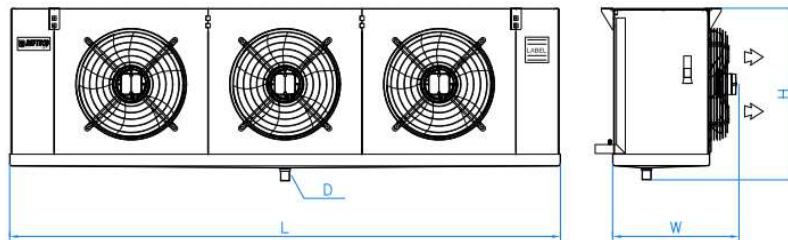
- Fins spacing 4,0 – 6,0 – 7,0 – 8,0 – 10,0 mm
- Stainless steel pipes AISI 304 or AISI 316L
- Stainless steel fins AISI 304 or AISI 316L
- Epoxy coated aluminum fins
- Protective coating on coil
- Fins alloy AlMg
- Insulated drip tray
- Electric, light electric, hot gas, hot glycol, water or Combined defrost
- Fans ring heaters
- Drain outlet heater
- Switch of each for fans
- Adaptor collar for air distribution sock
- Shut – up
- Air streamers
- AC and EC fans wiring
- Stainless steel casing AISI 304 or AISI 316L

Code key

R	B	C	T	045	2	F	6	A	4	D
1	2	3	4	5	6	7	8	9	10	11

1. Refteco
2. Type of refrigerant (E = HFC, G = glycol, B = CO2)
3. Commercial
4. Fin type (T = turbo)
5. Fan diameter (mm)
6. Number of fans
7. Size of coil (number of rows)
8. Fins spacing (mm)
9. Type of defrost (A = air, E = electric)
10. Poles number of fans
11. Fans connection (D = triangle, Y = star, S = single phase)

Dimensions



Model	Dimensions (mm)			
	L	W	H	D
R_C 0251	580	426	430	1"
R_C 0252	890	426	430	1"
R_C 0253	1200	426	430	1"
R_C 0254	1510	426	430	1"
R_C 0351	830	485	509	1"
R_C 0352	1350	485	509	1"
R_C 0353	1870	485	509	1"
R_C 0354	2390	485	509	1"
R_C 0451	1152	592	669	1" 1/4
R_C 0452	1882	592	669	1" 1/4
R_C 0453	2612	592	669	1" 1/4
R_C 0454	3342	592	669	1" 1/4
R_C 0501	1152	599	809	1" 1/4
R_C 0502	1882	599	809	1" 1/4
R_C 0503	2612	599	809	1" 1/4
R_C 0504	3342	599	809	1" 1/4

Warranty

Products are granted, against any construction defect, for 24 months from shipping date. Damage caused by normal wear, corrosion, faulty assembly or maintenance are excluded.