

Evaporators and air coolers REDC, RBDC and RGDC

Series R_DC is consisting of double flow evaporators and air coolers suitable for preparation areas or for cold rooms with small or medium dimensions with volume from 20 to 200 m³. Thank their limited height, they are recommended for installation in low cold rooms or with limited space between ceiling and working people.

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 0,4 to 39 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 REDC and RBDC to grant high efficiency and optimal evaporation, smooth for RGDC, 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 230, 350 and 450 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

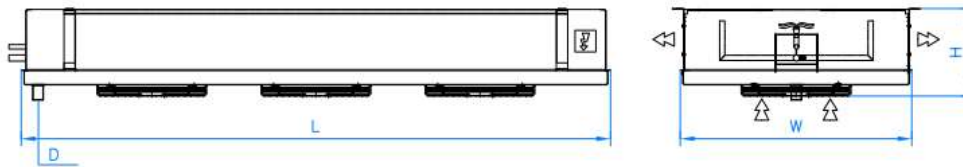
- Fins spacing 4,0 – 6,0 – 8,0 – 10,0 mm
- ATEX fans
- Stainless steel pipes AISI 304 or AISI 316L
- Stainless steel fins AISI 304 or AISI 316L
- Epoxy coated aluminum fins
- Protective coating on coil
- Fins alloy AlMg
- Insulated drip tray
- Electric defrost
- Drain outlet heater
- Switch of each for fans
- EC fans wiring
- Stainless steel casing AISI 304 or AISI 316L

Code key

R	B	D	C	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. Double flow
4. Commercial
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_DC 0231	580	650	713	1"
R_DC 0232	890	650	713	1"
R_DC 0233	1200	650	713	1"
R_DC 0234	1510	650	713	1"
R_DC 0351	923	818	295	1"
R_DC 0352	1503	818	295	1"
R_DC 0353	2083	818	295	1"
R_DC 0354	2663	818	295	1"
R_DC 0451	4220	1420	410	1" 1/4
R_DC 0452	2310	1420	410	1" 1/4
R_DC 0453	3210	1420	410	1" 1/4
R_DC 0454	4110	1420	410	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.