

Evaporators and air coolers RNSE, RNSB and RNSG, RNLE, RNLG and RNLA

Series RNS_ and RNL_ are consisting of cubic industrial evaporators and air coolers for medium and big cold rooms with volume from 200 to 2500 m³. These unit are designed for heavy employ for cooling and storage of fresh and frozen products with temperature from -40 to +20°C. Thanks wide range of standard models and available accessories, RNS_ and RNL_ can satisfy every type of plant necessity.

These units are available with different type of refrigerants:

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



Capacity range from 15 to 280 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 RNSE and RNSB diam. 12 mm and minimum thickness 0,3 mm to grant high efficiency and optimal evaporation, smooth for RNLE, RNSG and RNLG diam. 16 mm and minimum thickness 0,3 mm) and aluminium fins. For ammonia units RN_A, pipes are in stainless steel 304, diam. 16 mm and minimum thickness 0,7 mm.

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.

Ammonia evaporators: PS 23 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 500, 560, 630, 710, 800 and 910 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)

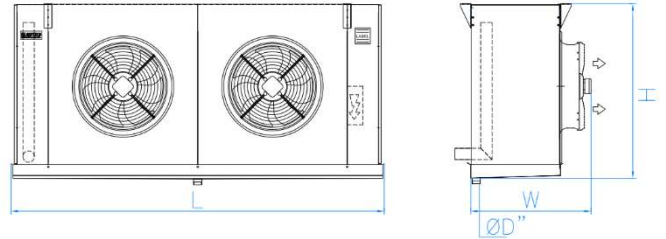
Options

- Fins spacing 4,0 – 6,0 – 7,0 – 8,0 – 10,0 – 12,0 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, light electric, hot gas, hot glycol, water or combined defrost
- Fans ring heaters
- Drain outlet heater
- Adaptor collar for air distribution sock
- Shut – up
- Air streamer
- Insulated inlet hood
- Air throw cowl
- Legs for floor installation
- Switch off for each fan
- AC and EC fans
- Stainless steel casing AISI 304 or AISI 316L
- Inclined fans

Code key

R	N	S	B	062	2	H	6	A	4	D
1	2	3	4	5	6	7	8	9	10	11

1. Refteco
2. New series
3. Coil geometry (S = triangle, L = square)
4. Type of refrigerant (E = HFC, G = glycol, B = CO2, A = ammonia)
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, EL = light electric, HG = hot gas, W = water, GC = hot glycol)
10. Poles number of fans
11. Fans connection (D = triangle, Y = star, S = single phase)



Dimensions

Modello	Dimensioni RNS_ / RNL_ (mm)			
	L	W	H	D
0501	1446	809	806	2"
0502	2346	809	806	2"
0503	3246	809	806	2"
0504	4146	809	806	3"
0505	5046	809	806	3"
0561	1646	870	1048	2"
0562	2746	870	1048	2"
0563	3846	870	1048	2"
0564	4946	870	1048	3"
0565	6046	870	1048	3"
0601	1746	885	1048	2"
0602	2946	885	1048	2"
0603	4146	885	1048	3"
0604	5346	885	1048	3"
0605	6546	885	1048	2 x 3"
0611	1646	885	1288	2"
0612	2746	885	1288	2"
0613	3846	885	1288	2"
0614	4946	885	1288	3"
0615	6046	885	1288	3"

Modello	Dimensioni RNS_ / RNL_ (mm)			
	L	W	H	D
0621	1646	885	1288	2"
0622	2746	885	1288	2"
0623	3846	885	1288	3"
0624	4946	885	1288	3"
0625	6046	885	1288	2 x 3"
0711/0801	2146	1090	1288	2"
0712/0802	3746	1090	1288	3"
0713/0803	5346	1090	1288	3"
0714/0804	6946	1090	1288	2 x 3"
0821	1746	1147	1288	2"
0822	2946	1147	1288	2"
0823	4146	1147	1288	3"
0824	5346	1147	1288	3"
0825	6546	1147	1288	2 x 3"
0911	2146	1140	1528	2"
0912	3746	1140	1528	3"
0913	5346	1140	1528	3"
0914	6946	1140	1528	2 x 3"

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.