

Gas cooler RKS and RKL

Series RKS and RKL are consisting of gas coolers with single row of axial fans, suitable to be used in refrigeration and air conditioning, when installation is about plant with transcritical CO₂.

Thanks wide range of models with different noise level and dimensions this range of gas coolers fulfill every customer needs.

They are available for both horizontal and vertical installation and with single or double circuit.



Capacity range from 20 to 510 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 rippled alloy copper pipes K65 and aluminium fins.
PS 120 bar and TS -40 / +140 °C, according to standard 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, 630, 800 and 910 mm with motors with external rotor, insulation class F, standard protection degree IP 54 (EN 60529).

Noise level from 28 dB(A) at 10 m (EN 13487).

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

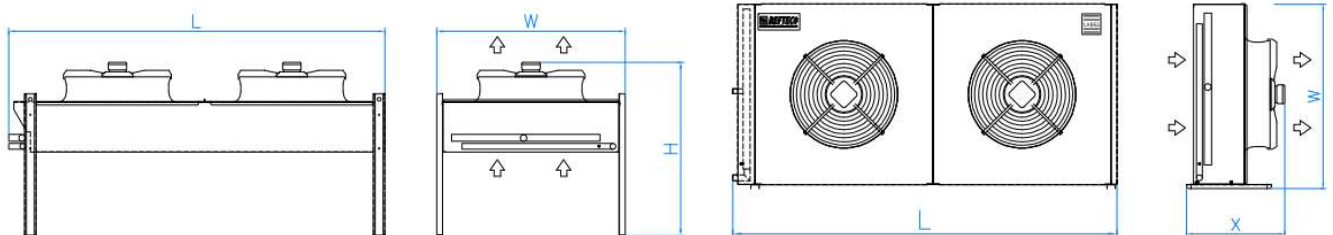
- Fins spacing 2,1 – 2,3 – 2,5 – 3,0 – 4,0 mm
- Special fans for application with high static residual pressure
- ATEX fan
- Stainless steel pipes AISI 304 or AISI 316L
- Plane aluminium fins for easier cleaning
- Copper fins
- Stainless steel fins AISI 304 o AISI 316L
- Epoxy coated Aluminium fins
- Protective coating on coil
- Vertical air flow installation kit
- Vibration dampers
- Switch off for fans
- AC and EC fans wiring
- Casing with special painting
- Stainless steel casing AISI 304 or AISI 316L
- Adiabatic system "Spray System"

Code key

R	K	L	080	6	C	4	D	V
1	2	3	4	5	6	7	8	9

1. Refteco
2. Gas cooler
3. Length of coil (S= short, L= long)
4. Fan diameter (mm)
5. Number of fans
6. Size of coil (number of rows)
7. Poles number of fans
8. Fans connection (D = triangle, Y = star, S = single phase)
9. Air flow direction (V = vertical, H = horizontal)

Dimensions



Model	Dimensions (mm)			
	L	W	H	X
RKS 0501	976	883	836	476
RKS 0502	1786	883	836	476
RKS 0503	2596	883	836	476
RKS 0504	3406	883	836	476
RKS 0631	1216	1133	1039	579
RKS 0632	2266	1133	1039	579
RKS 0633	3316	1133	1039	579
RKS 0634	4366	1133	1039	579
RKS 0801- RKS 09_1	1825	1213	1499	840
RKS 0802 - RKS 09_2	3375	1213	1499	840
RKS 0803 - RKS 09_3	4925	1213	1499	840
RKS 0804 - RKS 09_4	6475	1213	1499	840
RKS 0805 - RKS 09_5	8025	1213	1499	840
RKL 0801 - RKL 09_1	2175	1213	1499	840
RKL 0802 - RKL 09_2	4075	1213	1499	840
RKL 0803 - RKL 09_3	5975	1213	1499	840
RKL 0804 - RKL 09_4	7875	1213	1499	840

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.