FK(G)

Gravity coils

General information & application

Fincoil FK(G) gravity coils are used in cold rooms with temperatures above +2°C. If required, the air coolers can be provided with electric defrost making them suitable for subzero applications. The low air velocity guarantees draft-free conditions with minimum weight loss of products. The smallest sizes are applicable in small cold rooms and cold stores, e.g. for greeneries and vegetables. Larger models can be used for cooling industrial cold stores.

Refrigerants	all H(C)FC, brine (FKG)
Capacities	0.2 up to 4.5 kW

FK

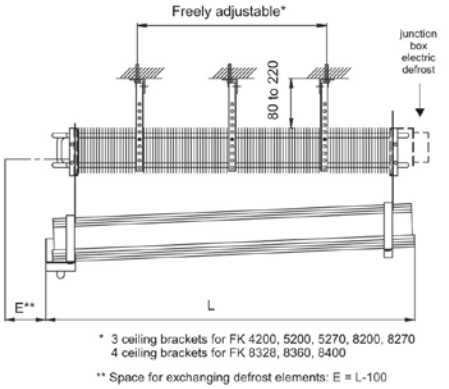
Standard features

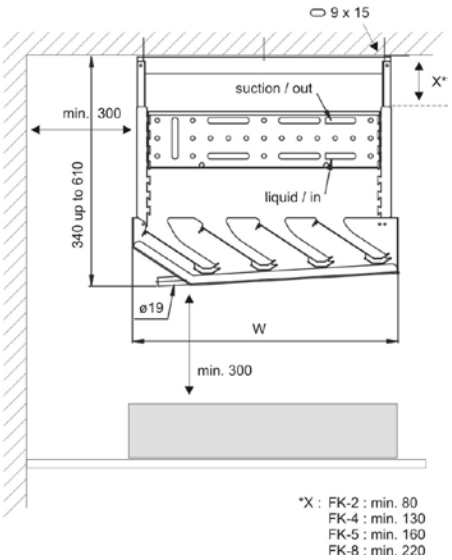
- Finned coil made of copper tubes and aluminium fins, specially designed for low air velocities. The 1/2" tube diameter enables a small refrigerant filling. The 7.5 mm fin spacing ensures an optimized air flow with reference to heat transfer capacity.
- All cooler components sustain corrosion well.
- Easy to assemble driptray construction. Distance between coil and driptray freely adjustable.
- Collector tray may be mounted on either side of the cooler. Natural inclination of the collector tray enables effective drainage and prevents the drain outlet from fouling.
- The suspension distance from the ceiling is easily adjustable.
- Stepped drip tray slats guarantee smooth air flow, even if the drip tray is installed close to the coil.
- Design pressure 26 barg. Each heat exchanger is leak tested with dry air. Design pressure for brine coolers is 6 barg.
- Units are packed in handy cardboard cases (up to size 8200). Bigger units are packed in wooden crates.
- A manual including installation and service instructions is shipped with each unit

Dimensions & weights

Coil size	Capacity W DT1 10K	Capacity W DT1 8K	Surface area m²	Dimensions L mm	Dimensions W mm	Tube conn. in mm	Tube conn. out mm	Int. vol. l	Net weight kg
260	202	143	4.7	810	320	12	12	0.6	5
280	271	192	6.3	1010	320	12	12	0.7	6
2100	340	240	7.9	1210	320	12	12	0.9	7
2120	404	286	9.4	1410	320	12	12	1.0	8
460	340	240	7.9	810	470	12	12	1.0	8
480	452	319	10.5	1010	470	12	12	1.2	9
4100	563	398	13.1	1210	470	12	12	1.5	11
4120	675	477	15.7	1410	470	12	12	1.7	12
4160	899	635	20.9	1810	470	12	12	2.3	15
4200	1122	793	26.1	2210	470	12	12	2.8	18
4270	1514	1070	35.2	2910	470	12	12	3.7	24
560	439	310	10.2	810	600	12	12	1.3	11
580	585	413	13.6	1010	600	12	12	1.6	13
5100	731	517	17.0	1210	600	12	12	1.9	15
5120	877	620	20.4	1410	600	12	12	2.3	16
5160	1165	824	27.1	1810	600	12	12	2.9	20
5200	1458	1031	33.9	2210	600	12	12	3.6	24
5270	1965	1389	45.7	2910	600	12	12	4.8	32
8100	1127	796	26.2	1210	875	12	12	3.0	21
8120	1350	955	31.4	1410	875	12	12	3.5	24
8160	1793	1268	41.7	1810	875	12	12	4.5	29
8200	2240	1584	52.1	2210	875	12	12	5.5	36
8240*	2688	1900	62.5	2610	875	12	18	6.6	41
8270*	3023	2137	70.3	2910	875	12	18	7.4	46
8320*	3586	2535	83.4	3410	875	12	18	8.6	55
8360*	4033	2852	93.8	3810	875	12	18	9.7	60
8400*	4481	3168	104.2	4210	875	12	18	10.7	66

*) The expansion valve shall be equipped with outer pressure balancing.





Code description

FK(G)E – 5160 – (1) – (R½) - Options

- G: Tube connection size
- G: No. of circuits
- Coil size
- Special model
- Liquid circulated execution
- Gravity coil

Benefits

- The low air velocity guarantees draft-free conditions with minimum product weight loss.
- Heavy duty materials, resulting in a long operational product life.
- Reliable performance.
- Easy-install & maintenance. Easy to remove slats & collector tray, no special tools required.
- Energy efficient. Low total cost of ownership.
- One full year product guarantee.

How to contact Alfa Laval
Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com