

FLOOR CONVECTORS

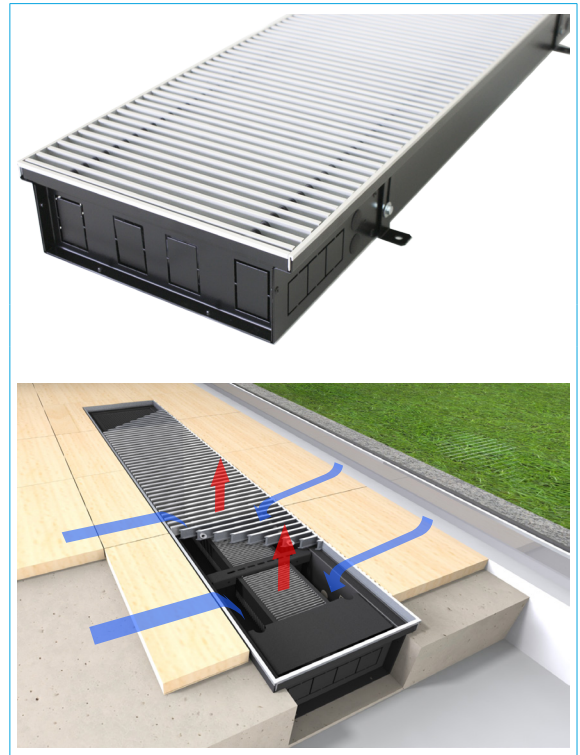
PKF

Application

- Perfect for use in areas with high interior design requirements and spaces with large glass surfaces.
- Attractive solution used both as a primary or secondary heat source in water heating and/or cooling systems.

Features

- Steel sheet casing powder coated in black color - RAL9005. Optional external 6 mm tick insulation.
- Cu/Al heat exchanger with profiled fins and 1/2" internal thread connections; each tested on 25 bar max pressure.
- Low noise tangential fans: 230V AC or 24V EC
- Wide range of attractive cover grilles made of anodized aluminium, wood or stainless steel in longitudinal or transverse roll-up design.
- Modular design allows easy connection and section adjustments
- Variety of accessories, regulation and inactive connection parts.



Advantages

Intersecting cold air stream

In rooms with large glass surfaces, cold air downwash is present from glass surfaces towards the rest of the room. Floor convectors intersect the cold air stream, creating a warm barrier between cold glass surface and the rest of the room. It improves the room comfort and prevents fogging of the glass surfaces.

Cost effective

As an addition to floor heating system, floor convectors are great solution for short-term heating requirements during transitional periods between seasons. In this way heating is only delivered when necessary, avoiding unwanted heat transfer and saving money.

Instant heating

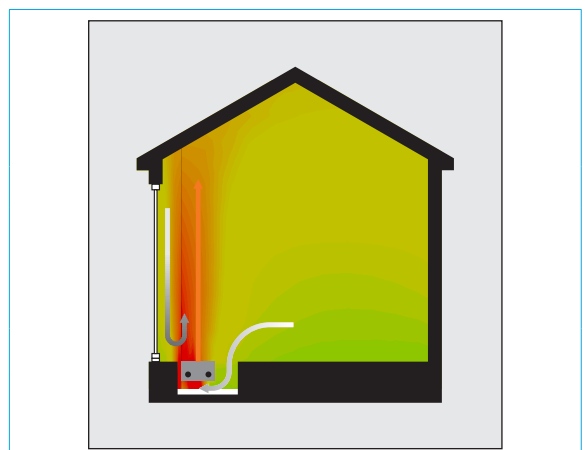
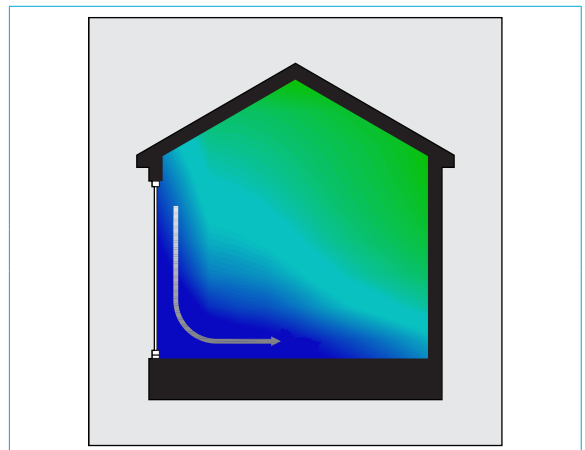
Heat exchangers provide rapid heat transfer due to large heat exchange surface. It is especially beneficial in combination with slow heating systems.

High heat output at low input water temperatures

In heating systems with low water temperatures, floor convectors with forced convection are used. The principle of forced convection greatly increases heat output.

Attractive design

Compared to classical heating systems, floor convectors are not using up usefull space nor interfering with room arrangement.



FLOOR CONVECTORS PKF

PKF | FORCED CONVECTION HEATING

Forced convection is achieved by using a built in fans to increase the airflow over heating surfaces, thus greatly improving heat transfer efficiency.

Length: 1000 to 3000 mm
 Height: 110 or 140 mm
 Heat output: 57 - 7360 W
 Heat exchanger: 1-row, 2-row, 3-row

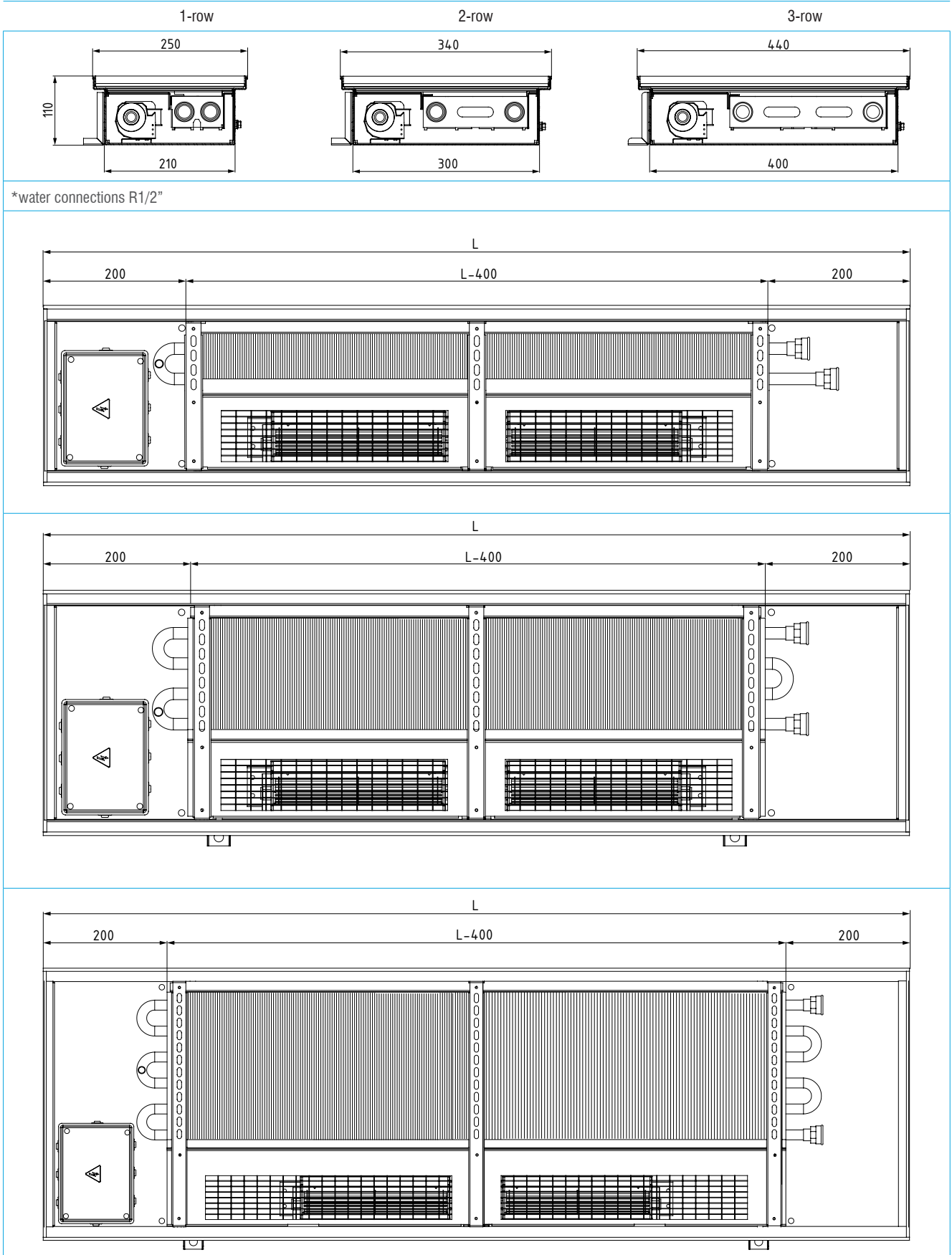
Fans / Controls
 230 V AC - 3 speed transformer
 230 V AC - control 0-10 V
 24 V EC - control 0-10 V
 12 V DC - on request



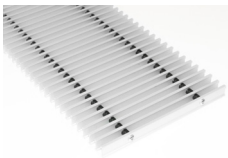
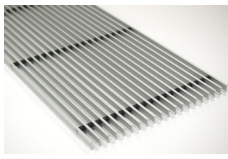

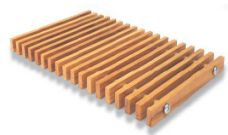
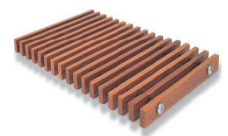
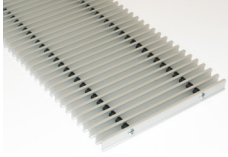
Heat output [W] - PKF

Length [mm]	LPHW	1-row				2-row				3-row			
		Fan speed											
		OFF	MIN	MED	MAX	OFF	MIN	MED	MAX	OFF	MIN	MED	MAX
1 fan													
1000	90/70/20 °C	148	575	762	1080	248	846	1130	1645	365	985	1412	1994
	75/65/20 °C	119	488	656	933	197	723	1020	1501	293	834	1303	1829
	55/45/20 °C	57	267	372	540	92	397	532	809	135	456	666	967
1200	90/70/20 °C	179	686	894	1235	318	1027	1343	1915	429	1329	1759	2416
	75/65/20 °C	144	583	770	1067	252	878	1211	1749	345	1128	1618	2207
	55/45/20 °C	69	319	436	618	117	482	631	942	159	617	827	1167
1400	90/70/20 °C	233	739	946	1289	408	1112	1428	2003	549	1444	1869	2528
	75/65/20 °C	188	628	816	1115	324	954	1292	1832	441	1228	1733	2317
	55/45/20 °C	90	343	462	645	151	523	673	987	203	672	886	1225
1600	90/70/20 °C	286	788	994	1339	503	1195	1515	2088	666	1556	1985	2640
	75/65/20 °C	231	670	856	1157	399	1033	1297	1819	535	1333	1698	2275
	55/45/20 °C	110	366	485	670	185	567	716	1034	246	729	940	1285
2 fans													
1800	90/70/20 °C	308	1320	1736	2419	548	1969	2602	3748	744	2547	3411	4720
	75/65/20 °C	248	1122	1595	1495	435	1683	2344	3418	598	2161	3143	4310
	55/45/20 °C	118	613	848	1210	202	924	1221	184	275	1182	1607	2279
2000	90/70/20 °C	361	1371	1789	2473	642	2056	2688	3832	869	2654	3523	4835
	75/65/20 °C	291	1166	1541	2137	509	1758	2419	3499	698	2259	3249	4417
	55/45/20 °C	139	637	873	1236	237	965	1260	1885	321	1235	1661	2335
2200	90/70/20 °C	415	1423	1842	2519	734	2137	2771	3915	979	2775	3632	4945
	75/65/20 °C	335	1210	1586	2182	582	1832	2493	3579	787	2357	3355	4523
	55/45/20 °C	160	662	899	1263	270	1005	1299	1928	362	1289	1716	2392
2400	90/70/20 °C	469	1474	1893	2573	824	2226	2863	4006	1101	2887	3748	5057
	75/65/20 °C	378	1253	1630	2226	654	1907	2436	3469	885	2446	3198	4335
	55/45/20 °C	180	685	924	1288	304	1046	1346	1973	407	1338	1770	2449
3 fans													
2600	90/70/20 °C	490	2004	2631	3654	871	2997	3953	5657	1175	3878	5172	7140
	75/65/20 °C	395	1704	2266	3159	691	2562	3555	5167	944	3290	4766	6517
	55/45/20 °C	188	932	1284	1828	321	1406	1852	2784	434	1799	2437	3446
2800	90/70/20 °C	542	2056	2684	3707	963	3083	4030	5752	1292	3992	5284	7252
	75/65/20 °C	437	1771	2311	3204	764	2636	3634	5247	1038	3388	4872	6623
	55/45/20 °C	208	969	1310	1854	355	1446	1894	2827	478	1853	2492	3502
3000	90/70/20 °C	596	2115	2735	3760	1053	3170	4115	5844	1413	4106	5397	7360
	75/65/20 °C	481	1838	2355	3250	835	2710	3710	5328	1135	3485	4979	6730
	55/45/20 °C	229	1005	1335	1880	388	1487	1935	2871	522	1906	2546	3559


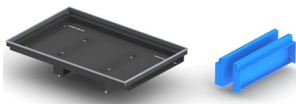
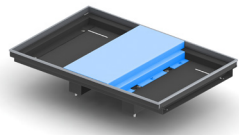
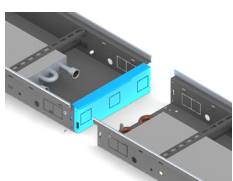
Dimensions - PKF



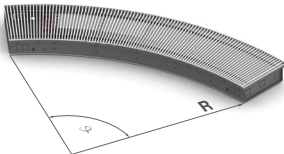
ACCESSORIES

Image	Description	Code	Suitable for
	Roll-up aluminium grille (anodized in natural color)	QL-501-1	All models - 1 row
		QL-501-2	All models - 2 row
		QL-501-3	All models - 3 row
	Roll-up al. grille - anodized (light bronze, bronze, light brown, brown, black)	QL-502-1	All models - 1 row
		QL-502-2	All models - 2 row
		QL-502-3	All models - 3 row
	Roll-up al. grille - RAL...	QL-503-1	All models - 1 row
		QL-503-2	All models - 2 row
		QL-503-3	All models - 3 row
	Linear aluminium grille (anodized in natural color)	QL-504-1	All models - 1 row
		QL-504-2	All models - 2 row
		QL-504-3	All models - 3 row
	Linear al. grille - anodized (light bronze, bronze, light brown, brown, black)	QL-505-1	All models - 1 row
		QL-505-2	All models - 2 row
		QL-505-3	All models - 3 row
	Linear al. grille - RAL...	QL-506-1	All models - 1 row
		QL-506-2	All models - 2 row
		QL-506-3	All models - 3 row
	Roll-up grille - beech	QL-507-1	All models - 1 row
		QL-507-2	All models - 2 row
		QL-507-3	All models - 3 row
	Roll-up grille - oak	QL-508-1	All models - 1 row
		QL-508-2	All models - 2 row
		QL-508-3	All models - 3 row
	Roll-up grille - cherry	QL-509-1	All models - 1 row
		QL-509-2	All models - 2 row
		QL-509-3	All models - 3 row
	Roll-up grille - inox	QL-510-1	All models - 1 row
		QL-510-2	All models - 2 row
		QL-510-3	All models - 3 row

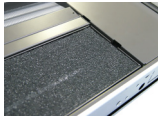













ACCESSORIES

Image	Description	Code	Suitable for	
	Optional F frame	QL-511	All models	
	Inactive section set (L=250 mm)	QL-512-701	PKN 70	1-row
		QL-512-702		2-row
		QL-512-703		3-row
		QL-512-111	PKN 110 / PKF 110	1- row
		QL-512-112		2-row
		QL-512-113		3-row
		QL-512-132	PKH 130	
		QL-512-141	PKN 140 / PKF 140	1-row
		QL-512-142		2-row
		QL-512-143		3-row
		QL-512-152	PKH 150	
		Inactive section set (L=500 mm)	QL-513-701	PKN 70
	QL-513-702		2-row	
	QL-513-703		3-row	
	QL-513-111		PKN 110 / PKF 110	1- row
	QL-513-112			2-row
	QL-513-113			3-row
	QL-513-132		PKH 130	
	QL-513-141		PKN 140 / PKF 140	1-row
	QL-513-142			2-row
	QL-513-143			3-row
	QL-513-152		PKH 150	
	Inactive section set (L=1000 mm)		QL-514-701	PKN 70
		QL-514-702	2-row	
		QL-514-703	3-row	
		QL-514-111	PKN 110 / PKF 110	1- row
		QL-514-112		2-row
QL-514-113		3-row		
QL-514-133		PKH 130		
QL-514-141		PKN 140 / PKF 140	1-row	
QL-514-142			2-row	
QL-514-143			3-row	
QL-514-153		PKH 150		
		Load bearing cover	QL-515-701	All models
	QL-515-702		2-row	
	QL-515-703		3-row	
	Casing connection piece	QL-516-701	PKN 70	1-row
		QL-516-702		2-row
		QL-516-703		3-row
		QL-516-111	PKN 110 / PKF 110	1- row
		QL-516-112		2-row
		QL-516-113		3-row
		QL-516-132	PKH 130	
		QL-516-141	PKN 140 / PKF 140	1-row
		QL-516-142		2-row
		QL-516-143		3-row
		QL-516-152	PKH 150	

ACCESSORIES

Image	Description	Code	Suitable for	
	Cut out section	QL-517-701	PKN 70	1-row
		QL-517-702		2-row
		QL-517-703		3-row
		QL-517-111	PKN 110 / PKF 110	1- row
		QL-517-112		2-row
		QL-517-113		3-row
		QL-517-132	PKH 130	
		QL-517-141	PKN 140 / PKF 140	1-row
		QL-517-142		2-row
		QL-517-143		3-row
		QL-517-152	PKH 150	
	Curved section	QL-518	All models	
	Corner section 90° Roll-up grille	QL-519-701	PKN 70	1-row
		QL-519-702		2-row
		QL-519-703		3-row
		QL-519-111	PKN 110 / PKF 110	1- row
		QL-519-112		2-row
		QL-519-113		3-row
		QL-519-132	PKH 130	
		QL-519-141	PKN 140 / PKF 140	1-row
		QL-519-142		2-row
		QL-519-143		3-row
		QL-519-152	PKH 150	
	Corner section 90° Linear grille	QL-520-701	PKN 70	1-row
		QL-520-702		2-row
		QL-520-703		3-row
		QL-520-111	PKN 110 / PKF 110	1- row
		QL-520-112		2-row
		QL-520-113		3-row
		QL-520-132	PKH 130	
		QL-520-141	PKN 140 / PKF 140	1-row
QL-520-142	2-row			
QL-520-143	3-row			
QL-520-152	PKH 150			

ACCESSORIES

Image	Description	Code	Suitable for
	Filter G2	QL-521	PKF, PKH, PKH-4C (230V AC and 24V EC)
	External casing insulation	QL-522	All models
	Control box AT6	QL-523	PKF, PKH, PKH-4C (230V AC)
	Control box AT6-Relay	QL-524	PKF, PKH, PKH-4C (230V AC)
	Silent drive (230V AC; 0-10V)	QL-525	PKF, PKH, PKH-4C (230V AC)
	Room thermostat - wall (Siemens RAA 21)	QL-526	PKN
	Analog 3-step thermostat - wall (Siemens RAB 11)	QL-527	PKF, PKH (230V AC)
	Analog 3-step thermostat - wall (Siemens RAB 31)	QL-528	PKH-4C (230V AC)
	Digital thermostat - flush (Siemens RDF 510)	QL-529	PKF, PKH (230V AC)
	Digital thermostat - flush (Siemens 400.01)	QL-530	PKF, PKH, PKH-4C (230V AC)
	Frame for RDF thermostat	QL-531	
	Remote control for RDG and RDF	QL-532	
	Digital thermostat - wall (Siemens RDG 100T)	QL-533	PKF, PKH, PKH-4C (230V AC)
	Digital thermostat 0-10V - wall (Seitron TFZ01M)	QL-534	PKF, PKH, PKH-4C (230V AC)
	KOER Codis C35-FC (Temp.)	C35-FC	PKF, PKH, PKH-4C (230V AC and 24V EC)
	KOER Codis C35-FC-B/RS (Temp.-BACnet)	C35-FC-B/RS	
	KOER Codis C35-FC-H (Temp.-Humidity)	C35-FC-H	
	KOER Codis C35-FC-H-B/RS (Temp.-Humidity-BACnet)	C35-FC-H-B/RS	

ACCESSORIES

Image	Description	Code	Suitable for
	Service valve 1/2" Service valve 3/4"	QL-535 QL-536	All models
	Radiator valve straight 1/2" Radiator valve angled 1/2"	QL-537 QL-538	All models
	Thermostatic valve straight 1/2" Thermostatic valve straight 3/4"	QL-539 QL-540	All models
	Thermostatic valve angular 1/2" Thermostatic valve angular 3/4"	QL-541 QL-542	All models
	Lockshield valve straight 1/2" Lockshield valve straight 3/4"	QL-543 QL-544	All models
	Lockshield valve angled 1/2" Lockshield valve angled 3/4"	QL-545 QL-546	All models
	3-way valve 1/2" 3-way valve 3/4"	QL-547 QL-548	All models
	4-way valve 1/2" 4-way valve 3/4"	QL-549 QL-550	All models
	Balancing valve 1/2" Balancing valve 3/4"	QL-551 QL-552	All models
	Flexible couplings 1/2" Flexible couplings 3/4"	QL-553 QL-554	All models

ACCESSORIES

Image	Description	Code		Suitable for
	Thermostat head	QL-555		All models
	Thermostat head - RAL 9016	QL-556		All models
	Thermostat head - RAL 9005	QL-557		All models
	Thermostat head - metal matte	QL-558		All models
	Thermostat head - metal chrome	QL-559		All models
	Thermostat head - white chrome	QL-560		All models
	Cable temperature sensor	QL-561		All models
	Thermostat head with remote regulator	2m	QL-562	All models
		5m	QL-563	All models
		8m	QL-564	All models
	Thermostat head with remote regulator and temperature sensor	QL-565		All models
	Thermal valve actuator 230V AC (NC)	QL-566		All models
	Thermal valve actuator 24V AC (NC)	QL-567		
	Thermal valve actuator 230V AC (NO)	QL-568		
	Thermal valve actuator 24V AC (NO)	QL-569		
	Valve actuator 24V DC; 0-10V	QL-570		All models
	Condensate pump	QL-571		All models
	Magnet switch - window/door	QL-572		All models

FLOOR CONVECTORS PKF

Standard delivery:

Steel and aluminium parts powder coated in RAL 9005		Leveling mounts for height adjustment and casing fixing	
Efficient low volume heat exchanger with bleed valve 1/4"		Protective plywood cover	
Silent 230V AC or 24V EC tangential fans		Service cover	
Leveling screws		PVC foil and carton box packaging with polystyrene corner and side protection	
Standard U frame		Installation and operation manual	
Ground terminal		Air valve on heat exchanger	

Ordering key

Accessories

Type **PKF - 110 - 1 - 2000**
PKN / PKF / PKH / PKH-4C
PKF-EC / PKH-EC / PKH-4C-EC

QL-xxx

Casing height
70 (PKN); **110** (PKN, PKF); **130** (PKH, PKH-4C), **140** (PKN, PKF);
150 (PKH, PKH-4C)

1- row width 210/250 mm
 2- row width 300/340 mm
 3- row width 400/440 mm

Casing length [mm]