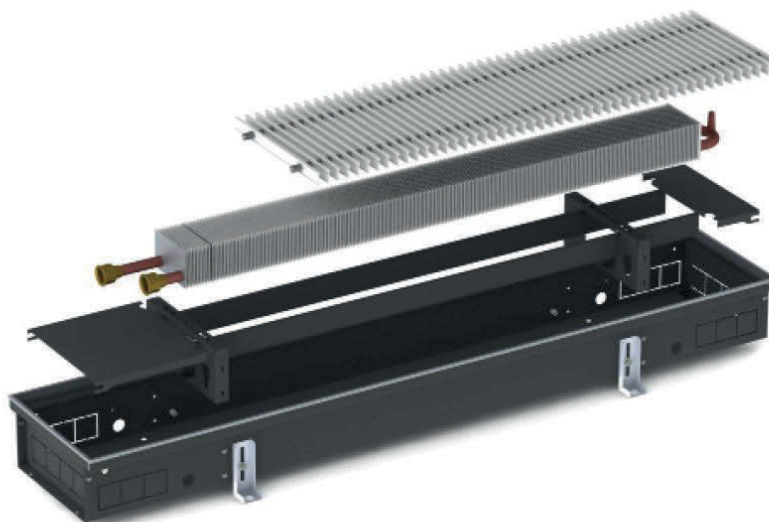




Natural convection floor convectors type PKN

- Natural convection floor convectors are applied basically as secondary heating bodies, in combination with other primary heating bodies

Application

- They are installed to the floor, in the immediate proximity of windows, doors and other cooling surfaces. They are used for prevention of condensation on glass surfaces, reduction of the convection effect from cold surfaces, and prevention of inlet of cold outside air through doors. Floor convectors with natural convection feature silent operation

Working principle

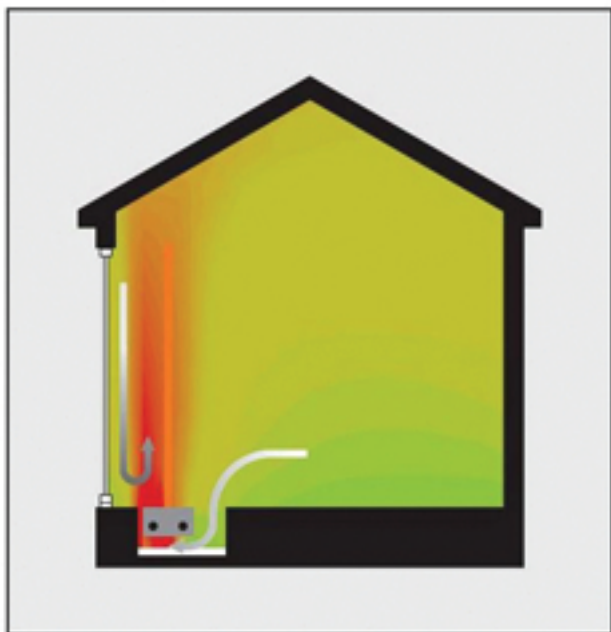
- Natural convection floor convectors apply the principle of natural circulation of air. Cold air enters into the floor convector, warm in the heat exchangers and rises into the room

Range

- Length: 1000 to 3000 mm
- Height: 70, 110 or 140 mm
- Heat output: 66 - 2570 W
- Heat exchanger: 1-row, 2-row, 3-row

Construction

- Steel sheet casing powder coated in black color - RAL9005. Optional external 6 mm thick insulation.
- Cu/Al heat exchanger with profiled fins and 1/2" internal thread connections; each tested on 25 bar max pressure.
- 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



Technical data											
Temperature			75°C / 65°C, air temperature 20°C								
Housing length	Heat exchanger		TK-XXX	TK-XXX	TK-XXX	TK-XXX	TK-XXX	TK-XXX	TK-XXX	TK-XXX	TK-XXX
(mm)	length [mm]		x20x70	x30x70	x40x70	x20x105	x30x105	x40x105	x20x140	x30x140	x40x140
800	400	Heating capacity [W]	88	178	250	140	242	341	158	266	440
		Water flow [kg/h]	7.60	15.30	21.50	12	20.80	29.30	13.60	22.80	37.70
900	500	Heating capacity [W]	111	212	301	168	287	402	191	320	517
		Water flow [kg/h]	9.50	18.20	25.80	14.40	24.70	34.50	16.50	27.50	44.40
1000	600	Heating capacity [W]	133	246	351	196	332	463	224	374	595
		Water flow [kg/h]	11.40	21.10	30.10	16.80	28.50	39.70	19.30	32.10	51
1100	700	Heating capacity [W]	155	280	401	224	378	524	257	428	672
		Water flow [kg/h]	13.40	24.10	34.40	19.20	32.40	44.90	22.10	36.70	57.70
1200	800	Heating capacity [W]	178	314	451	252	423	585	290	482	750
		Water flow [kg/h]	15.30	27	38.70	21.70	36.30	50.20	24.90	41.30	64.30
1300	900	Heating capacity [W]	200	349	501	280	468	646	323	535	828
		Water flow [kg/h]	17.20	29.90	43	24.10	40.20	55.40	27.80	45.90	71
1400	1000	Heating capacity [W]	222	383	551	308	514	706	356	589	905
		Water flow [kg/h]	19.10	32.90	47.30	26.50	44.10	60.60	30.60	50.60	77.60
1500	1100	Heating capacity [W]	245	417	601	336	559	767	389	643	983
		Water flow [kg/h]	21	35.80	51.60	28.90	47.90	65.80	33.40	55.20	84.30
1600	1200	Heating capacity [W]	267	451	651	365	604	828	422	697	1060
		Water flow [kg/h]	22.90	38.70	55.90	31.30	51.80	71	36.20	59.80	90.90
1700	1300	Heating capacity [W]	290	485	702	393	649	889	455	751	1138
		Water flow [kg/h]	24.90	41.60	60.20	33.70	55.70	76.20	39.10	64.40	97.60
1800	1400	Heating capacity [W]	312	519	752	421	695	950	488	805	1215
		Water flow [kg/h]	26.80	44.60	64.50	36.10	59.60	81.50	41.90	69.10	104.20
1900	1500	Heating capacity [W]	334	554	802	449	740	1011	521	859	1293
		Water flow [kg/h]	28.70	47.50	68.80	38.50	63.50	86.70	44.70	73.70	110.90
2000	1600	Heating capacity [W]	357	588	852	477	785	1071	554	913	1370
		Water flow [kg/h]	30.60	50.40	73.10	40.90	67.40	91.90	47.60	78.30	117.50
2100	1700	Heating capacity [W]	379	622	902	505	831	1132	587	967	1448
		Water flow [kg/h]	32.50	53.30	77.40	43.40	71.20	97.10	50.40	82.90	124.10
2200	1800	Heating capacity [W]	401	656	952	533	876	1193	620	1021	1525
		Water flow [kg/h]	34.40	56.30	81.70	45.80	75.10	102.30	53.20	87.50	130.80
2300	1900	Heating capacity [W]	424	690	1002	562	921	1254	653	1075	1603
		Water flow [kg/h]	36.40	59.20	86	48.20	79	107.50	56	92.20	137.40
2400	2000	Heating capacity [W]	446	724	1052	590	966	1315	686	1129	1680
		Water flow [kg/h]	38.30	62.10	90.20	50.60	82.90	112.70	58.90	96.80	144.10
2500	2100	Heating capacity [W]	468	759	1103	618	1012	1376	719	1183	1758
		Water flow [kg/h]	40.20	65.10	94.50	53	86.80	118	61.70	101.40	150.70
2600	2200	Heating capacity [W]	491	793	1153	646	1057	1437	752	1236	1836
		Water flow [kg/h]	42.10	68	98.80	55.40	90.60	123.20	64.50	106	157.40
2700	2300	Heating capacity [W]	513	827	1203	674	1102	1497	785	1290	1913
		Water flow [kg/h]	44	70.90	103.10	57.80	94.50	128.40	67.40	110.60	164
2800	2400	Heating capacity [W]	535	861	1253	702	1148	1558	818	1344	1991
		Water flow [kg/h]	45.90	73.80	107.40	60.20	98.40	133.60	70.20	115.30	170.70
2900	2500	Heating capacity [W]	558	895	1303	730	1193	1619	851	1398	2068
		Water flow [kg/h]	47.90	76.80	111.70	62.60	102.30	138.80	73	119.90	177.30
3000	2600	Heating capacity [W]	580	929	1353	758	1238	1680	884	1452	2146
		Water flow [kg/h]	49.80	79.70	116	65.10	106.20	144	75.80	124.50	184
3200	2800	Heating capacity [W]	625	998	1453	815	1329	1802	950	1560	2301
		Water flow [kg/h]	53.60	85.60	124.60	69.90	113.90	154.50	81.50	133.80	197.30
3400	3000	Heating capacity [W]	670	1066	1554	871	1419	1923	1016	1668	2456
		Water flow [kg/h]	57.40	91.40	133.20	74.70	121.70	164.90	87.20	143	210.50
3600	3200	Heating capacity [W]	714	1134	1654	927	1510	2045	1082	1776	2611
		Water flow [kg/h]	61.30	97.30	141.80	79.50	129.50	175.30	92.80	152.20	223.80
3800	3400	Heating capacity [W]	759	1203	1754	984	1600	2167	1148	1884	2766
		Water flow [kg/h]	65.10	103.10	150.40	84.30	137.20	185.80	98.50	161.50	237.10
4000	3600	Heating capacity [W]	804	1271	1854	1040	1691	2288	1214	1991	2921
		Water flow [kg/h]	68.90	109	159	89.20	145	196.20	104.10	170.70	250.40
4200	3800	Heating capacity [W]	848	1339	1955	1096	1782	2410	1280	2099	3076
		Water flow [kg/h]	72.80	114.80	167.60	94	152.80	206.60	109.80	180	263.70
4400	4000	Heating capacity [W]	893	1408	2055	1152	1872	2532	1346	2207	3231
		Water flow [kg/h]	76.60	120.70	176.20	98.80	160.50	217.10	115.40	189.20	277
4600	4200	Heating capacity [W]	938	1476	2155	1209	1963	2654	1412	2315	3386
		Water flow [kg/h]	80.40	126.60	184.80	103.60	168.30	227.50	121.10	198.50	290.30
4800	4400	Heating capacity [W]	982	1544	2255	1265	2053	2775	1478	2423	3541
		Water flow [kg/h]	84.30	132.40	193.40	108.50	176	237.90	126.70	207.70	303.60
5000	4600	Heating capacity [W]	1027	1613	2356	1321	2144	2897	1544	2531	3697
		Water flow [kg/h]	88.10	138.30	201.90	113.30	183.80	248.30	132.40	217	316.90

Notes

- XXX = convector length