FAN-COIL
podlahové konvektory nové generace

PODLAHOVÉ KONVEKTORY FC

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FC PODLAHOVÉ KONVEKTORY

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Vhodné řešení pro prostory s francouzskými okny, prosklenými plochami a administrativní budovy, jednoduchá a praktická varianta bez ventilátoru.

Velmi malý objem vody zaručuje nízkou spotřebu energie a maximální tepelný výkon tělesa.

Konvektor rychle reaguje na teplotní požadavky vytápěného prostoru.

Celo hliníkové provedení konvektoru zaručuje jeho neomezenou životnost.

Díky unikátnímu konstrukčnímu řešení je výroba konvektoru plně variabilní.

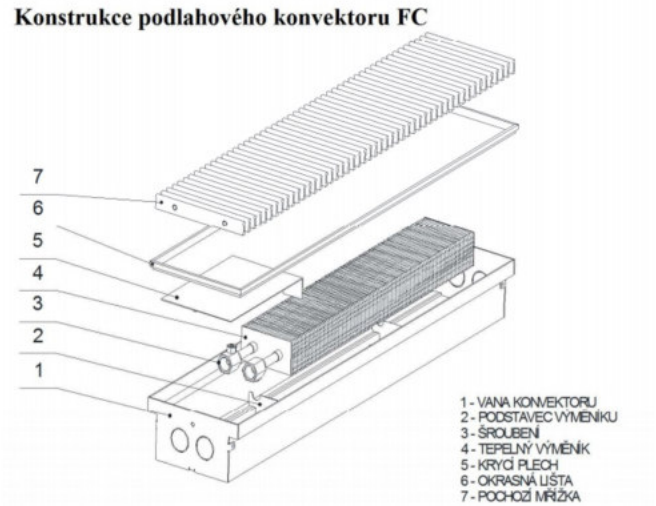
- 8 standardních šířek (180, 200, 240, 260, 280, 300, 340 a 420)mm
- 8 standardních hloubek (90, 110, 120, 140, 150, 190, 300 a 450)mm
- 38 standardních délek od 800 do 7000 mm.

Na vyžádání možnost objednání atypických rozměrů konvektoru bez navýšení ceny.

Tepelný výkon měřen v akreditované laboratoři.

Maximální provozní přetlak 1,0 Mpa (10bar)
Maximální provozní teplota 110°C

Prodloužená záruka 10 let na celé těleso.



FAN-COIL
podlahové konvektory nové generace

Teplotní výkony

Tepelný výkon měřen při teplotním spádu 75/65/20°C dle EN 442, hodnoty ve wattech (W). Podlahový konvektor FC – přirozená konvekce

Šířka (mm)	180				200				240			
Výška (mm) / Délka (mm)	90	110	120	140	90	110	120	140	90	110	120	140
800	130	149	152	163	132	152	155	166	165	194	198	240
900	198	175	179	192	155	179	182	196	194	229	234	283
1000	175	201	205	222	179	205	210	226	224	264	269	325
1100	198	228	323	251	202	232	237	256	254	299	304	368
1200	222	254	259	280	226	259	264	286	283	333	340	411
1250	233	267	273	294	237	273	278	300	298	351	358	432
1300	245	281	287	309	250	287	293	315	312	368	375	454
1400	267	308	314	338	273	314	320	345	342	403	411	497
1500	290	334	341	367	296	341	347	375	371	437	446	540
1600	314	360	367	397	320	367	375	405	401	472	482	582
1700	337	387	394	426	344	394	402	435	430	508	518	625
1750	348	400	408	440	355	408	416	449	445	525	535	647
1900	383	440	449	484	390	449	458	493	489	577	589	711
2000	406	467	476	513	414	476	485	523	519	612	624	754
2100	429	493	503	542	438	503	513	553	548	647	660	796
2200	452	519	530	572	461	530	540	583	577	681	695	839
2250	463	532	543	586	473	543	554	598	592	698	712	861
2300	476	545	556	601	485	556	568	613	607	716	730	882
2400	498	573	584	629	508	584	596	642	637	751	766	925
2500	521	599	611	659	532	611	623	672	666	785	801	968
2600	544	625	638	688	555	638	651	702	695	820	837	1011
2700	568	652	665	718	579	665	678	732	725	855	872	1053
2750	579	665	678	732	590	678	692	746	740	872	889	1075
2800	591	678	692	747	603	692	705	762	755	890	907	1096
2900	613	705	719	776	626	719	734	792	783	924	943	1139
3000	637	732	746	805	649	746	761	821	813	959	978	1182
3100	660	758	773	834	673	773	789	851	843	994	1014	1225
3300	706	811	827	893	721	827	843	910	902	1063	1084	1310
3500	752	864	882	950	767	882	899	969	961	1133	1155	1395
3600	775	891	908	980	791	908	927	999	991	1167	1191	1439
3800	822	943	962	1038	838	962	981	1059	1049	1237	1261	1524
4000	867	997	1017	1096	885	1017	1037	1118	1108	1306	1332	1610
4500	983	1128	1151	1243	1002	1151	1174	1268	1256	1481	1510	1824
5000	1098	1261	1286	1388	1120	1286	1312	1416	1403	1654	1687	2038
5500	1213	1394	1421	1534	1238	1421	1450	1565	1550	1828	1864	2252
6000	1329	1526	1557	1680	1355	1557	1588	1714	1698	2001	2041	2467
6500	1444	1659	1692	1826	1473	1692	1726	1862	1845	2175	2218	2681
7000	1559	1791	1827	1971	1591	1827	1864	2011	1992	2348	2395	2894

Teplotní výkony

Tepelný výkon měřen při teplotním spádu 75/65/20°C dle EN 442, hodnoty ve wattech (W). Podlahový konvektor FC – přirozená konvekce

Šířka (mm)	260				280							
Výška (mm)	90	110	120	140	90	110	120	140	150	190	300	450
Délka (mm) 800	168	198	202	245	170	216	221	264	269	274	369	498
900	198	234	238	288	199	255	260	310	317	323	435	586
1000	229	269	275	332	230	294	299	358	365	372	501	676
1100	259	305	311	375	261	332	339	405	413	421	566	763
1200	288	340	347	419	294	371	378	452	461	471	633	853
1250	304	358	365	441	309	390	398	476	486	495	666	898
1300	319	375	383	463	325	410	418	499	509	519	698	941
1400	349	411	419	507	355	448	457	546	557	569	765	1031
1500	378	446	455	551	382	487	497	593	605	617	830	1119
1600	409	482	491	594	412	526	536	641	653	667	897	1209
1700	439	518	529	638	442	564	576	687	701	715	962	1297
1750	454	535	546	660	457	583	595	711	725	740	995	1342
1900	499	589	601	726	503	642	655	782	797	813	1094	1475
2000	529	624	637	769	533	679	693	829	846	863	1161	1564
2100	560	660	673	813	563	718	732	876	893	911	1226	1652
2200	589	695	709	856	593	757	772	923	942	961	1293	1742
2250	604	712	727	878	609	777	792	947	966	985	1326	1787
2300	619	731	745	900	624	795	811	970	989	1009	1358	1830
2400	650	766	781	944	654	834	851	1018	1038	1059	1424	1920
2500	680	802	818	988	684	873	890	1064	1085	1107	1490	2008
2600	709	837	854	1031	714	911	930	1112	1134	1157	1556	2098
2700	740	872	890	1075	745	950	969	1158	1182	1205	1622	2186
2750	755	890	907	1097	760	970	989	1185	1206	1230	1655	2230
2800	770	908	926	1118	775	989	1009	1206	1230	1255	1688	2275
2900	799	943	962	1162	805	1027	1048	1253	1278	1303	1753	2363
3000	830	979	998	1206	836	1066	1087	1300	1326	1353	1820	2453
3100	860	1014	1034	1250	866	1105	1127	1347	1374	1401	1885	2541
3300	920	1085	1107	1337	926	1182	1206	1441	1470	1499	2017	2719
3500	981	1156	1179	1424	987	1260	1285	1535	1566	1597	2149	2897
3600	1011	1191	1215	1468	1018	1298	1324	1583	1615	1647	2216	2986
3800	1071	1262	1287	1555	1078	1376	1403	1677	1711	1745	2348	3164
4000	1130	1333	1359	1642	1139	1452	1481	1771	1807	1843	2480	3342
4500	1281	1511	1541	1861	1289	1645	1678	2006	2046	2087	2809	3785
5000	1432	1688	1722	2080	1441	1839	1875	2242	2287	2333	3139	4231
5500	1582	1865	1902	2298	1593	2032	2073	2477	2527	2578	3468	4674
6000	1733	2042	2083	2517	1744	2225	2269	2712	2767	2822	3797	5118
6500	1882	2219	2264	2735	1895	2418	2466	2949	3007	3068	4127	5563
7000	2033	2396	2444	2953	2047	2611	2664	3184	3247	3312	4457	6007

Teplotní výkony

Tepelný výkon měřen při teplotním spádu 75/65/20°C dle EN 442, hodnoty ve wattech (W). Podlahový konvektor FC – přirozená konvekce

Šířka (mm)		300						340					
Výška (mm)		80	90	105	125	180	300	90	110	120	140	150	190
Délka (mm)	800	131	170	179	264	286	394	223	263	302	340	350	360
	900	164	203	214	302	331	438	263	310	356	402	414	405
	1000	192	238	251	353	382	513	303	357	410	462	476	503
	1100	211	262	276	388	420	564	342	404	463	523	539	553
	1200	230	286	301	424	458	615	383	451	518	584	601	647
	1250	261	324	341	481	525	699	402	475	544	614	633	674
	1300	271	337	355	500	546	727	422	498	571	645	664	701
	1400	292	363	382	539	588	783	461	545	625	705	727	791
	1500	331	410	432	609	663	887	502	592	679	766	789	848
	1600	353	438	461	650	707	946	541	640	733	827	852	935
	1700	375	466	490	690	751	1005	581	686	787	888	914	993
	1750	399	495	521	731	802	1074	601	709	814	918	945	1023
	1900	446	552	581	819	896	1145	661	780	895	1009	1039	1139
	2000	469	581	612	861	942	1257	700	827	949	1071	1103	1223
	2100	492	611	643	904	989	1320	741	874	1003	1131	1165	1284
	2200	516	639	673	947	1 036	1383	780	921	1057	1192	1228	1367
	2250	528	655	689	969	1 060	1414	800	944	1083	1222	1259	1398
	2300	539	669	704	990	1 083	1445	820	968	1111	1253	1290	1429
	2400	563	697	734	1 033	1 130	1508	860	1015	1164	1314	1353	1510
	2500	609	753	793	1 118	1 212	1603	900	1062	1218	1374	1416	1573
	2600	633	784	825	1 163	1 260	1667	939	1109	1272	1435	1478	1654
	2700	658	813	856	1 207	1 309	1731	980	1156	1326	1496	1541	1718
	2750	670	828	872	1 230	1 333	1763	999	1180	1353	1526	1572	1749
	2800	682	844	888	1 252	1 357	1795	1019	1203	1380	1556	1603	1789
	2900	706	874	920	1 297	1 406	1860	1059	1250	1433	1617	1666	1853
	3000	748	923	972	1 362	1 486	1952	1099	1297	1488	1678	1728	1942
	3100	773	954	1 004	1 407	1 536	2017	1139	1344	1542	1740	1792	2007
	3300	792	990	1 042	1 223	1 593	2134	1218	1438	1650	1861	1917	2136
	3500	840	1050	1 105	1 297	1 689	2263	1297	1532	1757	1983	2042	2266
	3600	864	1079	1 136	1 334	1 738	2328	1338	1579	1811	2043	2105	2330
	3800	912	1140	1 200	1 409	1 834	2458	1417	1673	1919	2165	2230	2460
	4000	960	1200	1 263	1 483	1 931	2586	1497	1767	2027	2286	2355	2589
	4500	1 080	1350	1 421	1 668	2 172	2911	1696	2002	2296	2591	2668	2913
	5000	1 200	1499	1 578	1 853	2 413	3234	1895	2237	2565	2894	2981	3237
	5500	1 320	1649	1 736	2 039	2 655	3557	2094	2472	2836	3199	3295	3560
	6000	1 440	1799	1 894	2 224	2 896	3880	2293	2707	3105	3503	3608	3884
	6500	1 560	1949	2 052	2 409	3 137	4203	2493	2942	3375	3807	3921	4208
	7000	1 680	2100	2 210	2 595	3 379	4526	2691	3177	3644	4111	4234	4531

FAN-COIL
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Teplotní výkony

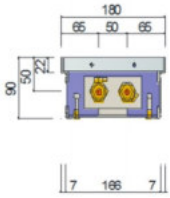
Tepelný výkon měřen při teplotním spádu 75/65/20°C dle EN 442, hodnoty ve wattech (W). Podlahový konvektor FC – přirozená konvekce

Šířka (mm)	420								
Výška (mm)	90	110	120	140	150	165	205	300	450
Délka (mm) 800	280	323	361	400	440	484	508	546	759
900	331	381	426	472	519	571	599	614	861
1000	381	437	490	543	598	658	690	765	1 063
1100	431	495	555	614	676	743	780	842	1 158
1200	482	553	619	686	755	830	872	983	1 367
1250	506	582	652	722	794	873	917	1 024	1 456
1300	531	610	684	758	834	917	963	1 065	1 512
1400	582	668	748	829	912	1 003	1 053	1 202	1 670
1500	631	726	813	901	991	1 090	1 144	1 288	1 794
1600	682	783	877	972	1 069	1 176	1 234	1 420	1 974
1700	732	841	942	1 043	1 148	1 262	1 326	1 509	2 037
1750	757	869	974	1 079	1 187	1 305	1 371	1 553	2 097
1900	832	956	1 071	1 186	1 305	1 435	1 507	1 729	2 334
2000	882	1 014	1 136	1 258	1 384	1 522	1 598	1 857	2 507
2100	932	1 071	1 200	1 329	1 462	1 608	1 688	1 950	2 632
2200	983	1 128	1 264	1 401	1 541	1 695	1 779	2 075	2 801
2250	1 008	1 158	1 297	1 436	1 580	1 738	1 824	2 122	2 865
2300	1 032	1 186	1 329	1 472	1 620	1 782	1 871	2 169	2 929
2400	1 083	1 244	1 394	1 543	1 698	1 867	1 961	2 294	3 097
2500	1 133	1 301	1 458	1 615	1 777	1 954	2 052	2 390	3 226
2600	1 183	1 359	1 523	1 686	1 855	2 040	2 142	2 512	3 391
2700	1 234	1 417	1 587	1 758	1 934	2 127	2 233	2 609	3 522
2750	1 258	1 445	1 619	1 793	1 973	2 170	2 278	2 657	3 587
2800	1 283	1 474	1 652	1 830	2 013	2 214	2 325	2 731	3 687
2900	1 334	1 532	1 716	1 901	2 091	2 300	2 415	2 829	3 819
3000	1 383	1 590	1 781	1 972	2 170	2 387	2 506	2 949	3 981
3100	1 434	1 648	1 846	2 044	2 249	2 474	2 597	3 047	4 114
3300	1 534	1 762	1 974	2 187	2 406	2 646	2 778	3 244	4 379
3500	1 634	1 877	2 103	2 330	2 563	2 819	2 960	3 441	4 645
3600	1 684	1 935	2 168	2 401	2 642	2 906	3 051	3 539	4 778
3800	1 785	2 050	2 297	2 544	2 799	3 078	3 232	3 735	5 042
4000	1 885	2 166	2 426	2 687	2 956	3 251	3 414	3 932	5 308
4500	2 135	2 453	2 749	3 044	3 349	3 683	3 868	4 424	5 972
5000	2 386	2 742	3 071	3 401	3 741	4 116	4 321	4 915	6 635
5500	2 637	3 029	3 394	3 759	4 134	4 548	4 775	5 407	7 299
6000	2 887	3 317	3 717	4 116	4 527	4 980	5 229	5 898	7 962
6500	3 138	3 605	4 039	4 473	4 920	5 412	5 683	6 390	8 627
7000	3 389	3 893	4 362	4 831	5 314	5 846	6 138	6 881	9 289

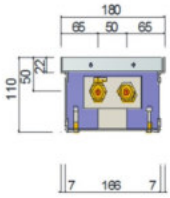
FAN-COIL
podlahové konvektory nové generace

Základní typy a rozměry

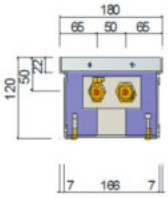
FC-180-090



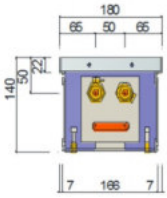
FC-180-110



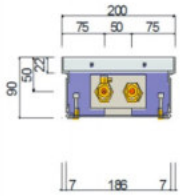
FC-180-120



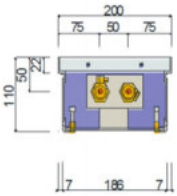
FC-180-140



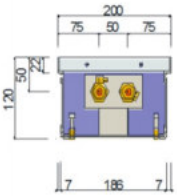
FC-200-090



FC-200-110



FC-200-120



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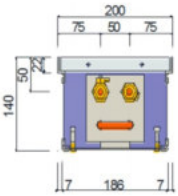
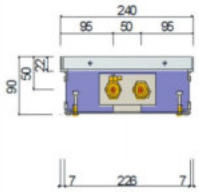
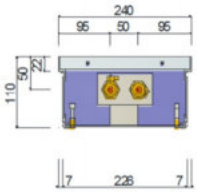


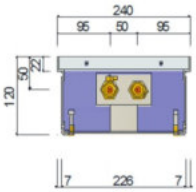
FC-240-090



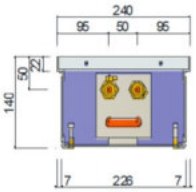
FC-240-110



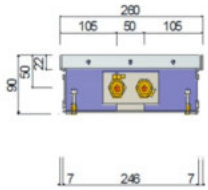
FC-240-120



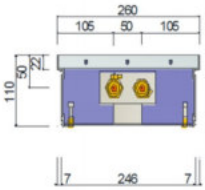
FC-240-140



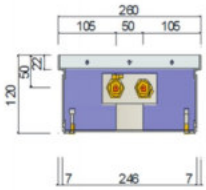
FC-260-090



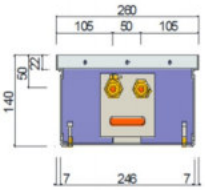
FC-260-110



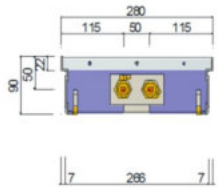
FC-260-120



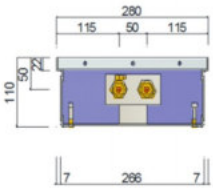
FC-260-140



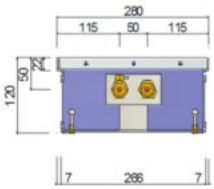
FC-280-090



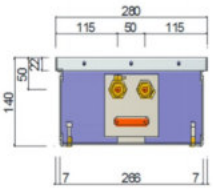
FC-280-110



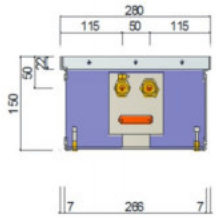
FC-280-120



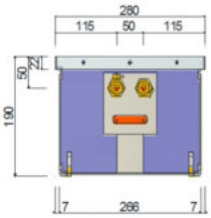
FC-280-140



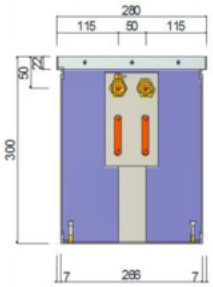
FC-280-150



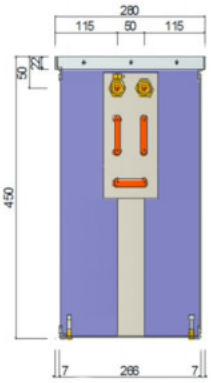
FC-280-190



FC-280-300

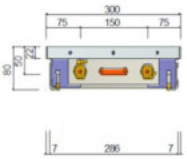


FC-280-450

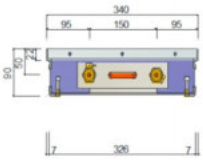


Základní typy a rozměry

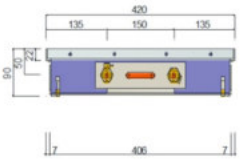
FC-300-080



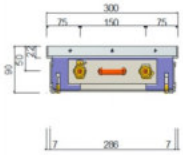
FC-340-080



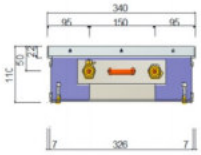
FC-420-080



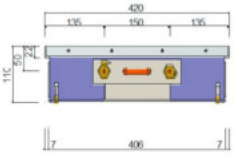
FC-300-090



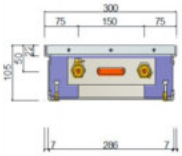
FC-340-110



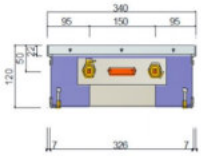
FC-420-110



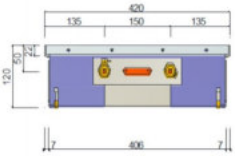
FC-300-105



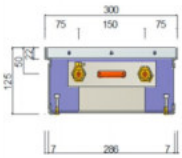
FC-340-120



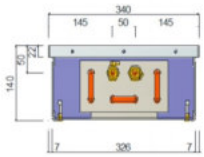
FC-420-120



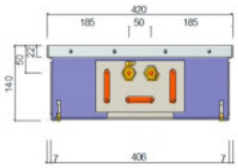
FC-300-125



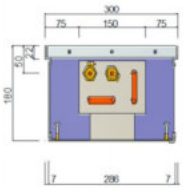
FC-340-140



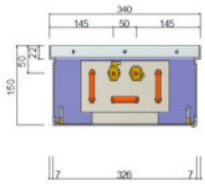
FC-420-140



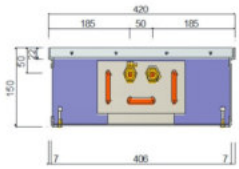
FC-300-180



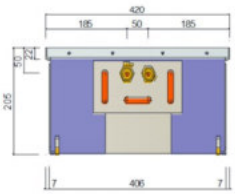
FC-340-150



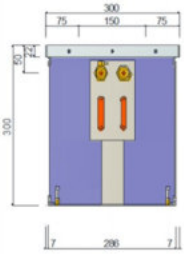
FC-420-150



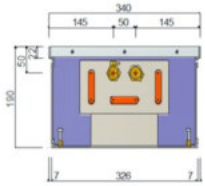
FC-420-205



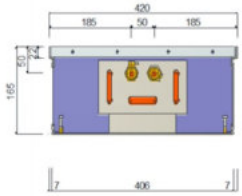
FC-300-300



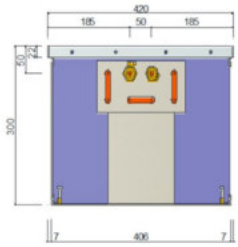
FC-340-190



FC-420-165

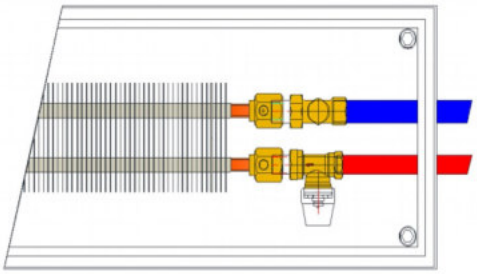


FC-420-300

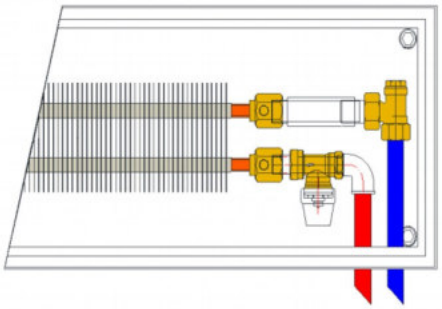


Napojení na otopný systém

Standardní připojení z čela konvektoru

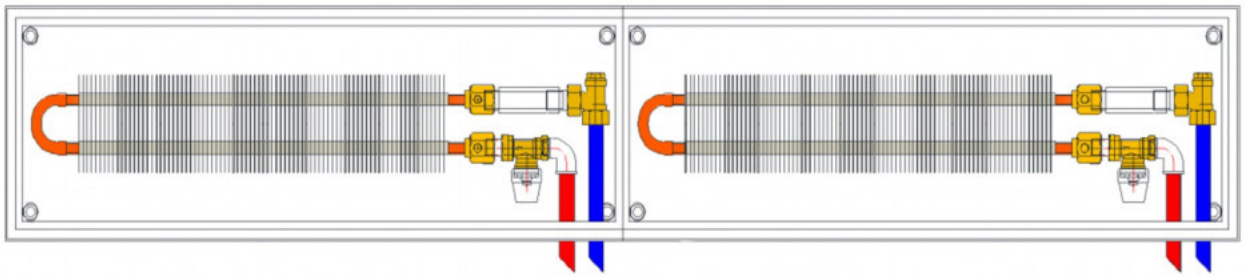


Připojení z boku konvektoru – na vyžádání



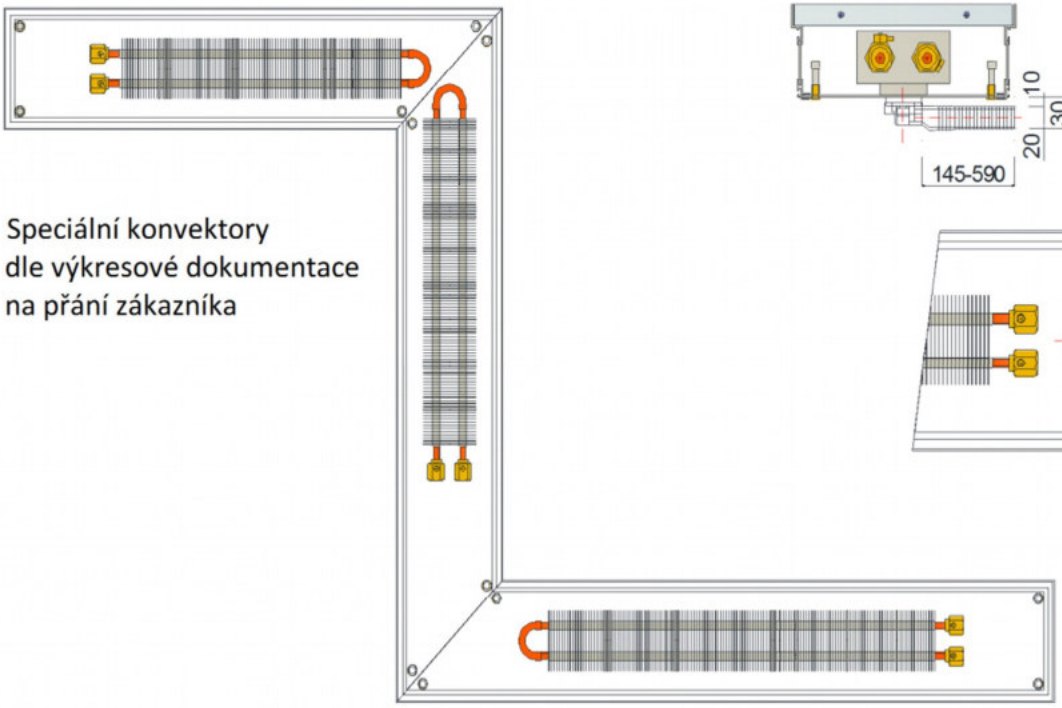
Atypická provedení

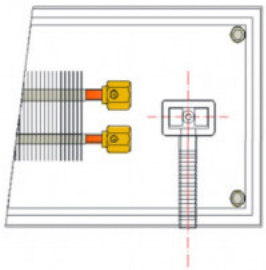
Konvektory délky nad 3m řešeny konstrukčně ze dvou stejných částí se snížením čela uprostřed.



Bazénové provedení s odtokem vany

Speciální konvektory
dle výkresové dokumentace
na přání zákazníka





Součinitel K1 pro přepočet tepelného výkonu

Teplota přívodní vody (°C)	Teplota vzduchu (°C)	Podlahový konvektor FC bez ventilátoru, teplotní exponent m=1,3													Teplota vratné vody (°C)
		25	30	35	40	45	50	55	60	65	70	75	80	85	
90	15	0,810	0,872	0,936	1,000	1,066	1,132	1,200	1,267	1,335	1,402	1,470	1,537	1,604	
	20	0,689	0,748	0,810	0,872	0,936	1,000	1,066	1,132	1,200	1,267	1,335	1,402	1,469	
	24	0,595	0,652	0,713	0,773	0,835	0,897	0,962	1,026	1,093	1,159	1,227	1,294	1,361	
85	15	0,748	0,810	0,872	0,936	1,000	1,066	1,132	1,200	1,267	1,335	1,402	1,470		
	20	0,629	0,689	0,748	0,810	0,872	0,936	1,000	1,066	1,132	1,200	1,267	1,335		
	24	0,537	0,595	0,652	0,713	0,773	0,835	0,897	0,962	1,026	1,093	1,159	1,227		
80	15	0,689	0,748	0,810	0,872	0,936	1,000	1,066	1,132	1,200	1,267	1,335			
	20	0,572	0,629	0,689	0,748	0,810	0,872	0,936	1,000	1,066	1,132	1,200			
	24	0,482	0,537	0,595	0,652	0,713	0,773	0,835	0,897	0,962	1,026	1,093			
75	15	0,629	0,689	0,748	0,810	0,872	0,936	1,000	1,066	1,132	1,200				
	20	0,515	0,572	0,629	0,689	0,748	0,810	0,872	0,936	1,000	1,066				
	24	0,427	0,482	0,537	0,595	0,652	0,713	0,773	0,835	0,897	0,962				
70	15	0,572	0,629	0,689	0,748	0,810	0,872	0,936	1,000	1,066					
	20	0,461	0,515	0,572	0,629	0,689	0,748	0,810	0,872	0,936					
	24	0,376	0,427	0,482	0,537	0,595	0,652	0,713	0,773	0,835					
65	15	0,515	0,572	0,629	0,689	0,748	0,810	0,872	0,936						
	20	0,406	0,461	0,515	0,572	0,629	0,689	0,748	0,810						
	24	0,324	0,376	0,427	0,482	0,537	0,595	0,652	0,713						
60	15	0,461	0,515	0,572	0,629	0,689	0,748	0,810							
	20	0,355	0,406	0,461	0,515	0,572	0,629	0,689							
	24	0,268	0,324	0,376	0,427	0,482	0,537	0,595							
55	15	0,406	0,461	0,515	0,572	0,629	0,689								
	20	0,304	0,355	0,406	0,461	0,515	0,572								
	24	0,211	0,268	0,324	0,376	0,427	0,482								
50	15	0,355	0,406	0,461	0,515	0,572									
	20	0,237	0,304	0,355	0,406	0,461									
	24	0,172	0,211	0,268	0,324	0,376									
45	15	0,304	0,355	0,406	0,461										
	20	0,170	0,237	0,304	0,355										
	24	0,132	0,172	0,211	0,268										

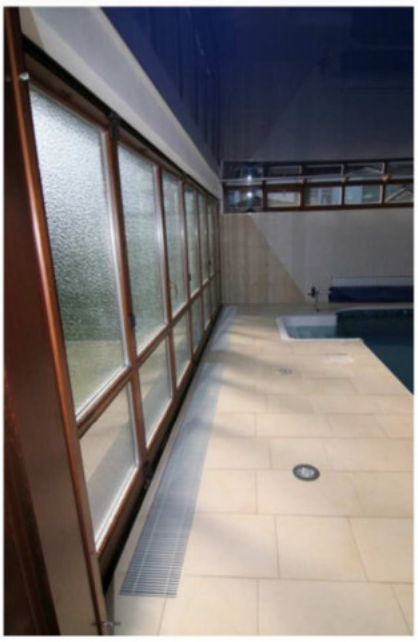
FAN-COIL
podlahové konvektory nové generace

Hmotnost a vodní objem

Typ	180				200				240				260			
	90	110	120	140	90	110	120	140	90	110	120	140	90	110	120	140
kg/1bm	5,5761	5,85	5,99	8,13	5,78	6,06	6,21	8,35	6,2	6,49	6,64	8,8	6,41	6,71	6,86	9,02
l/1bm	0,14	0,14	0,14	0,28	0,14	0,14	0,14	0,28	0,14	0,14	0,14	0,28	0,14	0,14	0,14	0,28

Typ	280						300							
	90	110	120	140	150	190	300	450	80	90	105	125	180	300
kg/1bm	6,6159	6,92	7,08	9,25	9,4	10	13,6	17,7	8,53	8,69	8,92	9,24	12	13,8
l/1bm	0,14	0,14	0,14	0,28	0,28	0,28	0,42	0,56	0,28	0,28	0,28	0,28	0,42	0,42

Typ	340						420							
	90	110	120	140	150	190	90	110	120	140	150	165	205	300
kg/1bm	9,1042	9,43	9,59	13,6	13,8	14,5	9,94	10,3	10,5	14,5	14,7	15	15,7	17,4
l/1bm	0,28	0,28	0,28	0,56	0,56	0,56	0,28	0,28	0,28	0,56	0,56	0,56	0,56	0,56

Objednací kódy

Typ		Šířka		Hloubka		Délka		Provedení
FC Podlahový konvektor bez ventilátoru	-	180=180mm	-	080=80mm	-	0800=800mm	-	01= nelakovaný
		200=200mm		090=90mm		...		03= lakovaný
		240=240mm		110=110mm		...		
		260=260mm		120=120mm		...		
		280=280mm		125=125mm		...		
		300=300mm		140=140mm		...		
		340=340mm		150=150mm		...		
		420=420mm		180=180mm		...		
				190=190mm		...		
				300=300mm		...		
				450=450mm		7000=7000mm