

AIR+PLUS

Air Conditioning Technologies



AP.C Floor Type
Convectors

113



AIR-PLUS

Air Conditioning Technologies



Plug & Play



AIR+PLUS

Prevents Heat Transfer and Clouding on Glas
Facades in Modern Buildings.

AP.C Series

Floor Type Convectors

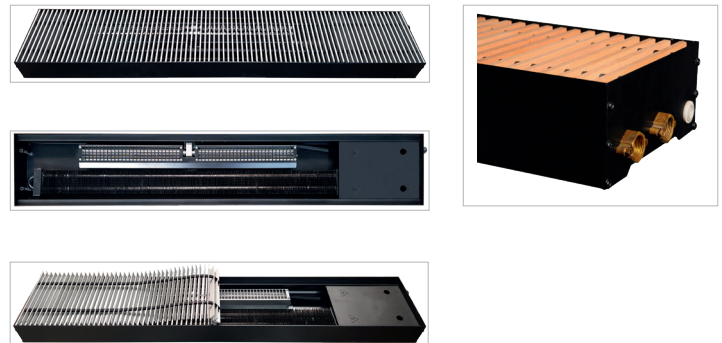
► Floor Convectors

An ideal product, which is designed to prevent clouding and heat transfer on facades consisting of large glass surfaces, supplementary to the floor heating system where the aesthetics meets the mechanical solution. The floor convectors are manufactured in 85 mm and 115 mm body heights and mono-sized up to three meters according to capacity need. The convectors over three meters can be manufactured in pieces so that there will be one coil in each piece, and in required length by installing the pieces to one another.

The linear grille of the floor convectors are available in 3 different versions; anodized aluminum, painted aluminum, and wood according to the architectural and aesthetic preferences. The optional digital control panel with warning light decreases energy consumption by lowering the unnecessary capacity utilization. Depending on the requirement of the project, drain pan can also be added, and floor cooling can be carried out as well. We manufacture our floor convectors in 3 models; namely, with natural convection, with fan, and with fan and minifan.

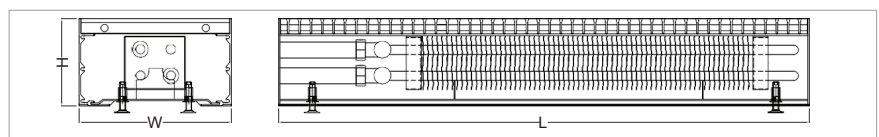
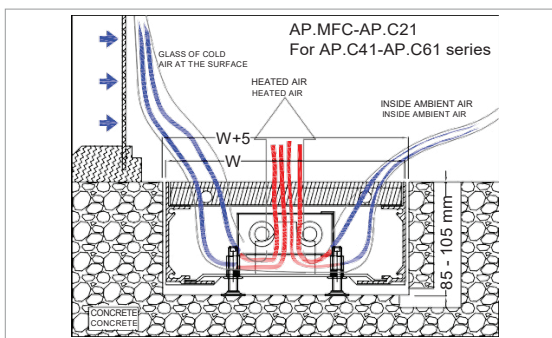
► Product Material

The linear grille and convector frame of the product are manufactured from aluminum profiles with high corrosion resistance. An optional aluminum frame is available. Our standard heating coils feature copper pipe and aluminum fins, with galvanized sheet mirror and brass sleeve fixed to outside of casing with 1/2" internal thread. Coils are manufactured by mechanically inflated copper pipes with 1/2" diameter and ensuring tight contact with lamellas. Coil is manufactured with 4 mm pitch at 40x35 mm geometric mold. Discharge and air relief cocks are located at the fixed brass fitting outside of the casing. In this way, water contact in the casing is avoided and damage to electrical component is prevented. Coils are mounted on sheet metal legs so that they can be removed after the pipe connections are dismantled. Optionally, a 1/2" two-way motorized valve can be used at the coil outlet.



► Product Material

AP.C series floor convectors are modern heating equipment supporting under floor heating system. It can be used as a secondary heating system with radiator, under floor heating systems, air handling units etc. No wall space is required for installation. It is housed in a floor slot and covered with a linear grille, which is pliable via a special spring inside it. Floor cooling can also be done by putting the drain pan according to the project requirement. Particularly with the mechanical strength of linear grille that is parallel to short edge, it can be used in all areas of your application and you can move over it safely. Floor convectors can be used at every place that have glass facade such as showrooms, winter gardens, indoor sports facilities, offices, banks and residences.



The floor convectors with natural convection are the convectors, which operates on the natural air convection principle. It is used secondarily in the space heating. They are used to prevent the heat dissipation, which will occur on the glass surface, and especially to remove the clouding.

► Accessories

Electronic Control Board and Room Control Panel:

- Kontrol kartı, kullanıcı tarafından ayarlanan değerlere göre motorlu vanayı aç/kapa olarak kontrol eder.
- Kontrol kartı, kullanıcı tarafından ayarlanan değerlere göre tanjansiyel fanın devrini 3 kademede kontrol eder.
- Panelden otomatik hız seçilir ise fan devri mahal sıcaklığı ve set edilen sıcaklık ayarı arasındaki farka göre kademeli olarak ayarlanır.
- 230 V enerji girişli, elektronik yapıda bir karttır.
- Kontrolör oda kumanda paneli ile yönetilir.
- Bir adet oda kumanda paneli ile birden fazla (max. 8 adet)
- Yer konvektörü kontrol kartı kumanda edilebilir.

Two-Way valve with Electro-Thermal Actuator with On/Off Control:

- Optionally, the fan speed can be increased from 3 to 5 stages.
- Optionally, the weekly program can be adjusted.
- Optionally, it can be connected to the central system.
- It is installed in the water outlet pipe of the floor convector coil.
- Allows the water flow with the control signal with on/off function it will take from the thermostat.
- It can be used in a water temperature of maximum 95°C and at the pressure of 16 bars.
- Operates with 230 V - 50 Hz - 2,5 W energy.

AP.C Type Floor Convector with Natural Convection Dimension and Heating Capacity (for the Ambient Temperature of 20 °C)

WATER INPUT-OUTPUT TEMPERATURE 90 – 70 °C							80 – 60 °C					
CONVECTOR TYPE	C21	C41	C61	C22	C42	C62	C21	C41	C61	C22	C42	C62
CONV. DIMENSION (WxH) mm	200x85	245x85	345x85	200x115	245x115	345x115	200x85	245x85	345x85	200x115	245x115	345x115
BODY LENGTH (L) mm	HEATING CAPACITY (W)											
1000	205	409	646	289	583	864	170	338	512	242	482	724
1250	270	582	832	409	794	1184	223	458	674	343	662	999
1500	344	762	1068	528	1042	1483	285	605	879	430	876	1254
1750	410	936	1272	647	1228	1760	338	762	1054	527	1036	1491
2000	513	1108	1490	783	1434	2078	399	910	1239	649	1212	1762
2250	616	1293	1708	898	1660	2396	465	1068	1424	750	1405	2033
2500	700	1464	1940	1032	1887	2715	543	1213	1620	865	1598	2304
2750	796	1635	2142	1146	2092	3075	635	1357	1791	963	1773	2611
3000	890	1819	2375	1260	2298	3394	720	1513	1986	1061	1948	2882
WATER INPUT-OUTPUT TEMPERATURE 70 – 55 °C							55					
CONVECTOR TYPE	C21	C41	C61	C22	C42	C62	C21	C41	C61	C22	C42	C62
CONV. DIMENSION (WxH) mm	200x85	245x85	345x85	200x115	245x115	345x115	200x85	245x85	345x85	200x115	245x115	345x115
BODY LENGTH (L) mm	HEATING CAPACITY (W)											
1000	144	287	434	204	406	607	91	182	276	134	269	397
1250	190	389	571	289	556	838	120	247	349	190	340	542
1500	242	515	743	363	735	1051	153	311	441	238	437	696
1750	287	645	890	444	869	1248	182	376	530	287	520	836
2000	339	770	1045	546	1016	1475	215	440	648	342	639	993
2250	396	903	1200	630	1177	1702	248	521	759	391	751	1150
2500	465	1025	1365	726	1338	1929	277	620	873	446	869	1305
2750	540	1146	1509	808	1485	2185	310	710	972	503	968	1481
3000	611	1277	1673	890	1631	2412	343	802	1083	568	1079	1636

AP.C Type Floor Convector with Natural Convection Dimension and Cooling Capacity (for the Ambient Temperature of 27 °C)

WATER INPUT-OUTPUT TEMP.		7 – 12 °C										
CONVECTOR TYPE	C21	C41		C61		C22		C42		C62		
CONV. DIMENSION (WxH) mm	200x85	245x85		345x85		200x115		245x115		345x115		
BODY LENGTH (L) mm	TOTAL AND SENSIBLE HEAT COOLING CAPACITY (W)											
1000	60 / 54	0.191 / 0 kPa	122 / 105	0.381 / 0.1 kPa	188 / 157	0.561 / 0.2 kPa	100 / 70	0.361 / 0.1 kPa	206 / 141	0.721 / 0.2 kPa	309 / 209	1.081 / 0.6 kPa
1250	80 / 70	0.241 / 0 kPa	166 / 142	0.491 / 0.1 kPa	241 / 196	0.731 / 0.3 kPa	140 / 100	0.471 / 0.1 kPa	276 / 189	0.941 / 0.4 kPa	420 / 285	1.411 / 1.3 kPa
1500	100 / 90	0.31 / 0.1 kPa	209 / 179	0.61 / 0.2 kPa	305 / 247	0.91 / 0.5 kPa	177 / 125	0.581 / 0.2 kPa	358 / 246	1.161 / 0.8 kPa	555 / 368	1.751 / 2.4 kPa
1750	119 / 106	0.351 / 0.1 kPa	253 / 216	0.711 / 0.3 kPa	362 / 292	1.061 / 0.8 kPa	213 / 150	0.691 / 0.2 kPa	427 / 291	1.391 / 1.2 kPa	679 / 445	2.081 / 4.0 kPa
2000	141 / 125	0.411 / 0.1 kPa	296 / 253	0.821 / 0.4 kPa	439 / 347	1.231 / 1.2 kPa	253 / 180	0.81 / 0.3 kPa	530 / 353	1.611 / 2.0 kPa	814 / 531	2.411 / 6.2 kPa
2250	162 / 145	0.471 / 0.1 kPa	343 / 293	0.931 / 0.6 kPa	540 / 410	1.391 / 1.9 kPa	289 / 205	0.911 / 0.4 kPa	629 / 416	1.831 / 3.1 kPa	947 / 616	2.741 / 8.9 kPa
2500	181 / 161	0.521 / 0.2 kPa	391 / 331	1.041 / 0.8 kPa	633 / 473	1.561 / 2.7 kPa	330 / 234	1.031 / 0.6 kPa	726 / 477	2.051 / 4.3 kPa	1079 / 700	3.071 / 12.4 kPa
2750	203 / 181	0.581 / 0.2 kPa	479 / 386	1.151 / 1.3 kPa	713 / 527	1.721 / 3.6 kPa	366 / 260	1.141 / 0.8 kPa	813 / 532	2.271 / 5.7 kPa	1226 / 795	3.411 / 16.8 kPa
3000	224 / 200	0.631 / 0.2 kPa	557 / 438	1.261 / 1.8 kPa	801 / 587	1.891 / 4.7 kPa	423 / 294	1.251 / 1.1 kPa	900 / 588	2.491 / 7.3 kPa	1358 / 880	3.731 / 21.8 kPa

Coil Input - Output Diameter: 1/2" - 1/2"

AP.FC Series Floor Convectors with Fan

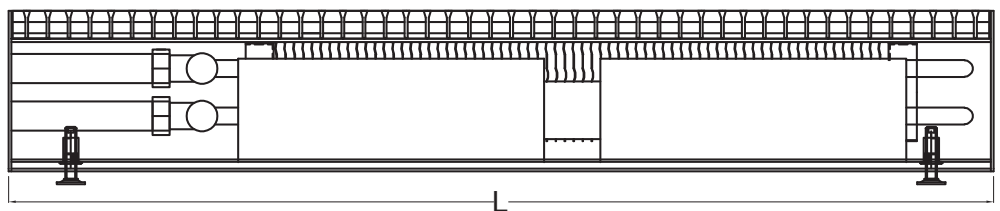
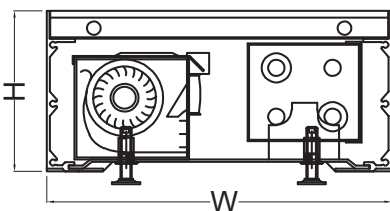
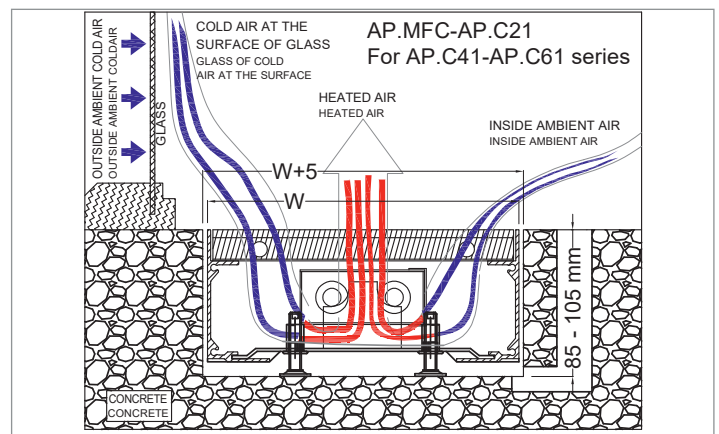
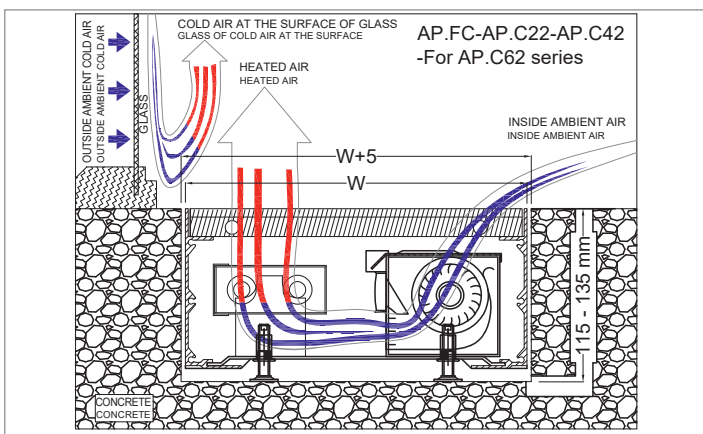
► Product Material

The linear grille and convector frame of the product are manufactured from aluminum profiles with high corrosion resistance. An optional aluminum frame is available. Our standard heating coils feature copper pipe and aluminum fins, with galvanized sheet mirror and brass sleeve fixed to outside of casing with 1/2" internal thread. Coils are manufactured by mechanically inflated copper pipes with 1/2" diameter and ensuring tight contact with lamellas. Coil is manufactured with 4 mm pitch, at 40x35 mm geometric mold. Discharge and air relief cocks of the coils are located at the fixed brass fitting outside of the casing. In this way, water contact in the casing is avoided and damage to electrical component is prevented. Coils are mounted on sheet metal legs so that they can be removed after the pipe connections are dismantled. The fans used in the convectors are tangential fans with low noise, 45 mm rotor diameter, 230V voltage. Fans have two speeds, 1250 rpm and 1630 rpm. Fan power cable is connected with electric terminal inside casing. Main power line with thermal relay and fuse protection is connected to electric terminal via connector on casing and the necessary power for fan is supplied. Optionally, room panel and electronic controller can be used. Thus, the motorized valve on coil (on/off) and tangential fan speed (3 stages) can be controlled.

Floor cooling can also be done by putting the drain pan according to the project requirement. No wall space is required for installation. Thanks to the fan, the heating capacity and the blowing distance are increased. It is housed in a floor slot. It is covered with a linear grille, which is pliable via a special spring inside it. Particularly with the mechanical strength of linear grille that is parallel to short edge, it can be used in all areas of your application and you can move over it safely. In all convector casings, there is Allen bolts inside the casing to provide ease of application. Floor convectors can be used at every place that have glass curtain-wall such as showrooms, winter gardens, indoor sports facilities, business centers, banks and residences.

► Usage Features

AP.FC series floor convectors are modern heating equipments supporting under floor heating system. It can be used with radiator, under floor heating systems, air handling units etc.



AP-C Type (230 V) Floor Convecter with Fan Table of Dimension and Heating Capacity (for the Ambient Temperature of 20 °C)

WATER INPUT-OUTPUT TEMP.		80 - 60 °C																											
CONVECTOR TYPE	CONV. DIMENSION (WxH) mm	90 - 70 °C						55 - 40 °C						2. Phase															
		HEATING CAPACITY (W)						HEATING CAPACITY (W)						Power - Current															
BODY LENGTH (L) mm		FC21	FC41	FC22	FC42	FC61	FC62	FC21	FC41	FC22	FC42	FC61	FC62	1. Phase		2. Phase													
		1	2	1	2	1	2	1	2	1	2	1	2	Flow Rate (m³/h)	Power - Current	Power - Current	Power - Current												
1250	1500	1285	1523	1998	2406	2442	2981	2490	3016	3366	4203	3836	4880	951	1143	1603	1933	1993	2431	2009	2432	2779	3462	3194	4053	1250 d/d - 215	35 W - 0.25 A	1630 d/d - 300	52 W - 0.39 A
1750	2000	1520	1809	2255	2738	2708	3330	2794	3416	3648	4604	4082	5255	1175	1406	1830	2219	2224	2732	2275	2779	3027	3811	3413	4382	1250 d/d - 215	35 W - 0.25 A	1630 d/d - 300	52 W - 0.39 A
2250	2500	2133	2520	3146	3789	3792	4627	3917	4747	5178	6472	5741	7298	1685	1994	2566	3088	3120	3804	3203	3877	4299	5361	4766	6042	1250 d/d - 323	70 W - 0.50 A	1630 d/d - 450	104 W - 0.78 A
2750	3000	2354	2793	3398	4115	4053	4971	4213	5140	5457	6869	6001	7692	1881	2232	2782	3365	3346	4100	3458	4214	4543	5704	4999	6390	1250 d/d - 323	70 W - 0.50 A	1630 d/d - 450	104 W - 0.78 A
2750	3000	2970	3513	4288	5173	5134	6276	5335	6481	6814	8521	7746	9871	2389	2824	3519	4240	4240	5178	4390	5322	5629	7024	6454	8201	1250 d/d - 430	70 W - 0.50 A	1630 d/d - 600	104 W - 0.78 A
2750	3000	3186	3784	4536	5497	5392	6617	5629	6870	7106	8934	8001	10261	2574	3053	3731	4513	4463	5471	4641	5655	5887	7383	6680	8543	1250 d/d - 430	70 W - 0.50 A	1630 d/d - 600	104 W - 0.78 A
2750	3000	3810	4507	5436	6564	6484	7926	6762	8218	8624	10788	9650	12288	3089	3651	4476	5394	5367	6552	5582	6770	7148	8921	8025	10190	1250 d/d - 538	105 W - 0.75 A	1630 d/d - 750	156 W - 1.17 A
3000	3000	4023	4776	5684	6882	6741	8264	7056	8604	8913	11196	9912	12688	3271	3877	4686	5664	5588	6844	5832	7100	7401	9274	8259	10542	1250 d/d - 538	105 W - 0.75 A	1630 d/d - 750	156 W - 1.17 A

WATER INPUT-OUTPUT TEMP.		70 - 55 °C																											
CONVECTOR TYPE	CONV. DIMENSION (WxH) mm	70 - 55 °C						55 - 40 °C						2. Phase															
		HEATING CAPACITY (W)						HEATING CAPACITY (W)						Power - Current															
BODY LENGTH (L) mm		FC21	FC41	FC22	FC42	FC61	FC62	FC21	FC41	FC22	FC42	FC61	FC62	1. Phase		2. Phase													
		1	2	1	2	1	2	1	2	1	2	1	2	Flow Rate (m³/h)	Power - Current	Power - Current	Power - Current												
1250	1500	832	997	1374	1656	1696	2073	1716	2081	2356	2940	2698	3429	341	373	702	890	996	1223	942	1158	1459	1814	1725	2179	1250 d/d - 215	35 W - 0.25 A	1630 d/d - 300	52 W - 0.39 A
1750	2000	1016	1215	1561	1896	1890	2325	1939	2369	2561	3229	2877	3701	403	444	882	1087	1145	1411	1128	1386	1616	2029	1865	2381	1250 d/d - 215	35 W - 0.25 A	1630 d/d - 300	52 W - 0.39 A
2250	2500	1451	1718	2188	2636	2652	3237	2727	3306	3639	4545	4028	5117	556	633	1295	1564	1635	1991	1637	1979	2311	2870	2534	3305	1250 d/d - 323	70 W - 0.50 A	1630 d/d - 450	104 W - 0.78 A
2750	3000	1614	1917	2369	2871	2840	3485	2942	3587	3840	4830	4219	5403	827	1015	1428	1730	1770	2166	1795	2184	2459	3075	2689	3423	1250 d/d - 323	70 W - 0.50 A	1630 d/d - 450	104 W - 0.78 A
2750	3000	2048	2423	2996	3615	3601	4402	3732	4532	4770	5963	5450	6938	1130	1350	1828	2203	2255	2747	2298	2779	2961	3685	3489	4414	1250 d/d - 430	70 W - 0.50 A	1630 d/d - 600	104 W - 0.78 A
2750	3000	2204	2617	3174	3847	3786	4647	3943	4809	4980	6261	5635	7220	1251	1493	1954	2362	2385	2918	2448	2976	3124	3908	3635	4625	1250 d/d - 430	70 W - 0.50 A	1630 d/d - 600	104 W - 0.78 A
2750	3000	2643	3127	3807	4594	4551	5567	4742	5760	6052	7566	6779	8625	1532	1816	2356	2832	2875	3504	2937	3814	4742	4350	5442	1250 d/d - 538	105 W - 0.75 A	1630 d/d - 750	156 W - 1.17 A	
3000	3000	2796	3317	3984	4824	4738	5811	4951	6034	6258	7860	6971	8915	1643	1951	2478	2997	3002	3670	3104	3768	3969	4957	4454	5638	1250 d/d - 538	105 W - 0.75 A	1630 d/d - 750	156 W - 1.17 A

Coil Input - Output Diameter: 1/2" - 1/2"

AP-C Type (230 V) Floor Convecter with Fan Table of Dimension and Cooling Capacity (for the Ambient Temperature of 27 °C)

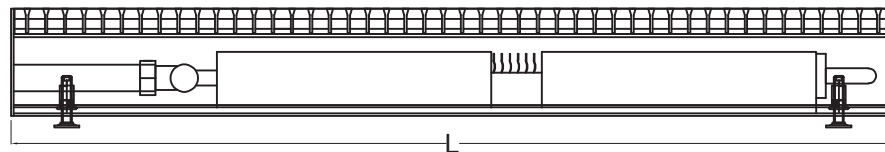
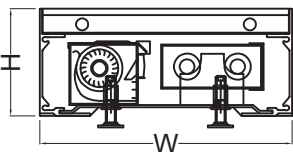
WATER INPUT-OUTPUT TEMP.		7 - 12 °C																											
CONVECTOR TYPE	CONV. DIMENSION (WxH) mm	7 - 12 °C						Total and Sensible Heat COOLING CAPACITY (W)						2. Phase															
		HEATING CAPACITY (W)						HEATING CAPACITY (W)						Power - Current															
BODY LENGTH (L) mm		FC21	FC41	FC22	FC42	FC61	FC62	FC21	FC41	FC22	FC42	FC61	FC62	1. Phase		2. Phase													
		1	2	1	2	1	2	1	2	1	2	1	2	Flow Rate (m³/h)	Power - Current	Power - Current	Power - Current												
1250	1500	237/237	262/262	0.241/0.241	0.282/0.282	0.282/0.282	0.347/0.347	0.282/0.282	0.347/0.347	0.347/0.347	0.425/0.425	0.347/0.347	0.425/0.425	0.347/0.347	0.425/0.425	0.425/0.425	0.514/0.514	0.425/0.425	0.514/0.514	0.514/0.514	0.617/0.617	0.514/0.514	0.617/0.617	0.514/0.514	0.617/0.617	1.411/12.9 kPa	35 W - 0.25 A	1630 d/d - 300	52 W - 0.39 A
1500	1750	277/277	310/310	0.311/0.311	0.363/0.363	0.363/0.363	0.441/0.441	0.363/0.363	0.441/0.441	0.441/0.441	0.533/0.533	0.441/0.441	0.533/0.533	0.441/0.441	0.533/0.533	0.441/0.441	0.533/0.533	0.441/0.441	0.533/0.533	0.533/0.533	0.636/0.636	0.533/0.533	0.636/0.636	0.533/0.533	0.636/0.636	1.751/18.5 kPa	35 W - 0.25 A	1630 d/d - 300	52 W - 0.39 A
1750	2000	362/362	449/449	0.449/0.449	0.533/0.533	0.533/0.533	0.636/0.636	0.533/0.533	0.636/0.636	0.636/0.636	0.766/0.766	0.636/0.636	0.766/0.766	0.636/0.636	0.766/0.766	0.636/0.636	0.766/0.766	0.636/0.636	0.766/0.766	0.766/0.766	0.906/0.906	0.766/0.766	0.906/0.906	0.766/0.766	0.906/0.906	2.081/19.7 kPa	70 W - 0.50 A	1630 d/d - 450	104 W - 0.78 A
2000	2250	484/484	635/635	0.611/0.611	0.724/0.724	0.724/0.724	0.864/0.864	0.724/0.724	0.864/0.864	0.864/0.864	1.036/1.036	0.864/0.864	1.036/1.036	0.864/0.864	1.036/1.036	0.864/0.864	1.036/1.036	0.864/0.864	1.036/1.036	1.036/1.036	1.236/1.236	1.036/1.036	1.236/1.236	1.036/1.036	1.236/1.236	2.411/22.2 kPa	70 W - 0.50 A	1630 d/d - 450	104 W - 0.78 A
2250	2500	713/713	865/865	0.865/0.865	1.036/1.036	1.036/1.036	1.236/1.236	1.036/1.036	1.236/1.236	1.236/1.236	1.484/1.484	1.236/1.236	1.484/1.484	1.236/1.236	1.484/1.484	1.236/1.236	1.484/1.484	1.236/1.236	1.484/1.484	1.484/1.484	1.732/1.732	1.484/1.484	1.732/1.732	1.484/1.484	1.732/1.732	2.741/20.6 kPa	70 W - 0.50 A	1630 d/d - 600	104 W - 0.78 A
2500	2750	919/919	1166/1166	1.166/1.166	1.404/1.404	1.404/1.404	1.684/1.684	1.404/1.404	1.684/1.684	1.684/1.684	1.996/1.996	1.684/1.684	1.996/1.996	1.684/1.684	1.996/1.996	1.684/1.684	1.996/1.996	1.684/1.684	1.996/1.996	1.996/1.996	2.368/2.368	1.996/1.996	2.368/2.368	1.996/1.996	2.368/2.368	3.071/24.3 kPa	70 W - 0.50 A	1630 d/d - 600	104 W - 0.78 A
2750	3000	1166/1166	1466/1466	1.466/1.466	1.766/1.766	1.766/1.766	2.116/2.116	1.766/1.766	2.116/2.116	2.116/2.116	2.566/2.566	2.116/2.116	2.566/2.566	2.116/2.116	2.566/2.566	2.116/2.116	2.566/2.566	2.116/2.116	2.566/2.566	2.566/2.566	3.016/3.016	2.566/2.566	3.016/3.016	2.566/2.566	3.016/3.016	3.741/24.6 kPa	105 W - 0.75 A	1630 d/d - 750	156 W - 1.17 A
3000	3000	1466/1466	1816/1816	1.816/1.816	2.166/2.166	2.166/2.166	2.616/2.616	2.166/2.166	2.616/2.616	2.616/2.616	3.166/3.166	2.616/2.616	3.166/3.166	2.616/2.616	3.166/3.166	2.616/2.616	3.166/3.166	2.616/2.616	3.166/3.166	3.166/3.166	3.716/3.716	3.166/3.166	3.716/3.716	3.166/3.166	3.716/3.716	4.454/24.6 kPa	105 W - 0.75 A	1630 d/d - 750	156 W - 1.17 A

AP.MFC Series

Floor Convactor with Mini Fan

► Product Material

The linear grille and convactor frame of the product are manufactured from aluminum profiles with high corrosion resistance. An optional aluminum frame is available. Our standard heating coils feature copper pipe and aluminum fins, with galvanized sheet mirror and brass sleeve fixed to outside of casing with 1/2" internal thread. Coils are manufactured by mechanically inflated copper pipes with 1/2" diameter and ensuring tight contact with lamellas. Coil is manufactured with 4 mm pitch, at 40x35 mm geometric mold. Discharge and air relief cocks of the coils are located at the fixed brass fitting outside of the casing. In this way, water contact in the casing is avoided and damage to electrical component is prevented. Coils are mounted on sheet metal legs so that they can be removed after the pipe connections are dismantled. The fans used in the convectors are tangential fans with low noise, 45 mm rotor diameter, 230V voltage. Fans have two speeds, 1250 rpm and 1630 rpm. Fan power cable is connected with electric terminal inside casing. Main power line with thermal relay and fuse protection is connected to electric terminal via connector on casing and the necessary power for fan is supplied. Optionally, room panel and electronic controller can be used. Thus, the motorized valve on coil (on/off) and tangential fan speed (3 stages) can be controlled.



► Usage Features

AP.MFC series floor convectors are modern heating equipment supporting under floor heating system. It can be used with radiator, under floor heating systems, air handling units, etc. Floor cooling can also be done by putting the drain pan according to the project requirement. No wall space is required for installation. Thanks to the fan, the heating capacity and the blowing distance are increased. It is housed in a floor slot. It is covered with a linear grille, which is pliable via a special spring inside it. Particularly with the mechanical strength of linear grille that is parallel to short edge, it can be used in all areas of your application and you can move over it safely. In all convector casings, there is Allen bolts inside the casing to provide ease of application. Floor convectors can be used at every place that have glass curtain-wall such as showrooms, winter gardens, indoor sports facilities, business centers, banks and residences. Floor cooling can also be done by putting the drain pan according to the project requirement. Floor convectors with mini fan can be designed as primary or secondary heating system. They are mostly used in cases where the heat loss is caused by the glass surface. They form an air curtain on the glass surface with the air it heated. Floor convectors with mini fans have minimum height and maximum capacity. Due to its 85 mm height, it offers the perfect solution for flats or mezzanines in multi-storey buildings.

WATER INPUT-OUTPUT TEMP.	90 – 70 °C			80 – 60 °C			70 – 55 °C			55 – 40 °C			Flow Rate (m³/h)	Power (W) Current (A)
	MFC21	MFC41	MFC61	MFC21	MFC41	MFC61	MFC21	MFC41	MFC61	MFC21	MFC41	MFC61		
CONV. DIMENSION (WxH) mm	220x85	300x85	380x85	220x85	300x85	380x85	220x85	300x85	380x85	220x85	300x85	380x85		
BODY LENGTH (L) mm	HEATING CAPACITY (W)						HEATING CAPACITY (W)							
1250	1236	1916	2336	911	1537	1905	798	1317	1623	333	658	950	200	21 W - 0.1 A
1500	1461	2160	2587	1128	1752	2123	975	1494	1805	394	840	1093	200	21 W - 0.1 A
1750	2052	3014	3622	1621	2459	2982	1396	2096	2533	524	1239	1562	300	42 W - 0.2 A
2000	2633	3849	4632	2102	3150	3817	1807	2684	3244	948	1618	2018	400	42 W - 0.2 A
2250	2859	4111	4907	2300	3374	4054	1971	2872	3442	1085	1753	2157	400	42 W - 0.2 A
2500	3065	4346	5152	2477	3574	4263	2120	3040	3617	1202	1874	2280	400	42 W - 0.2 A
2750	3666	5209	6193	2973	4289	5129	2543	3648	4351	1474	2258	2749	500	63 W - 0.3 A
3000	3870	5442	6438	3146	4487	5334	2689	3814	4525	1580	2376	2869	500	63 W - 0.3 A

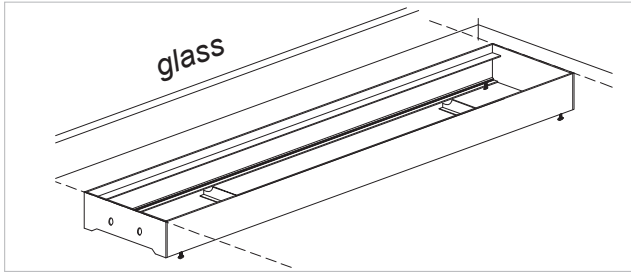
AP.MFC Type Floor Convactor with Mini Fan (230 V) Table of Dimension and Cooling Capacity (for the Ambient Temperature of 27 °C)

WATER INPUT-OUTPUT TEMP.	7 – 12 °C						Flow Rate (m³/h)	Power (W) Current (A)
	MFC21		MFC41		MFC61			
CONV. DIMENSION (WxH) mm	220x85		300x85		380x85			
BODY LENGTH (L) mm	Total and Sensible Heat COOLING CAPACITY (W)							
	Capacity (w)	PIPE INTERNAL VOLUME	Capacity (w)	PIPE INTERNAL VOLUME	Capacity (w)	PIPE INTERNAL VOLUME		
1250	231/231	0.24 l / 0.1 kPa	402/402	0.49 l / 0.5 kPa	579/579	0.73 l / 1.4 kPa	200	21 W - 0.1 A
1500	271/271	0.3 l / 0.2 kPa	503/503	0.60 l / 0.9 kPa	683/657	0.9 l / 2.1 kPa	200	21 W - 0.1 A
1750	353/353	0.35 l / 0.3 kPa	772/772	0.71 l / 2.1 kPa	994/947	1.06 l / 4.5 kPa	300	42 W - 0.2 A
2000	586/586	0.41 l / 0.9 kPa	1016/1016	0.82 l / 3.8 kPa	1293/1226	1.23 l / 8.0 kPa	400	42 W - 0.2 A
2250	681/681	0.47 l / 1.3 kPa	1101/1094	0.93 l / 4.8 kPa	1402/1291	1.39 l / 10.2 kPa	400	42 W - 0.2 A
2500	757/757	0.52 l / 1.6 kPa	1184/1156	1.04 l / 5.9 kPa	1503/1347	1.56 l / 12.5 kPa	400	42 W - 0.2 A
2750	936/936	0.58 l / 2.5 kPa	1433/1399	1.15 l / 8.9 kPa	1809/1630	1.72 l / 18.9 kPa	500	63 W - 0.3 A
3000	1003/1003	0.63 l / 3.0 kPa	1518/1456	1.26 l / 10.6 kPa	1912/1686	1.89 l / 22.3 kPa	500	63 W - 0.3 A

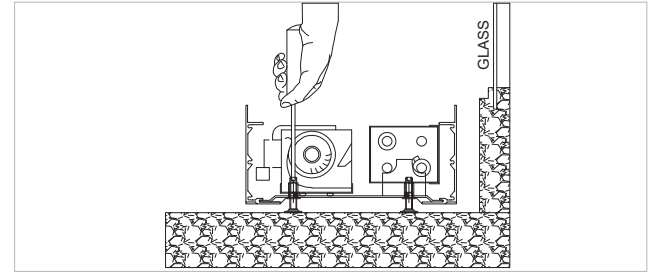
Coil Input - Output Diameter: 1/2" - 1/2"

► Floor Convectors Details

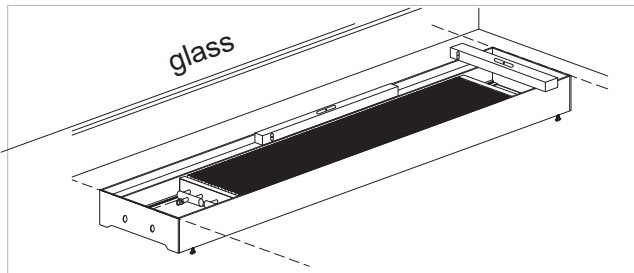
Mounting Details:



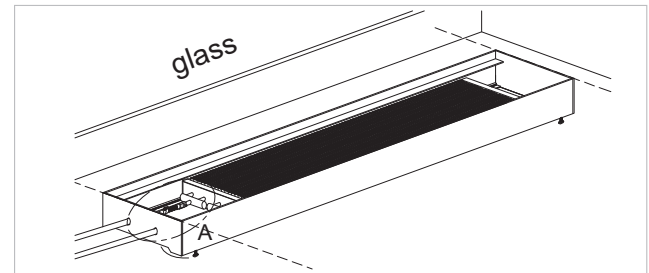
1. Place it precisely according to the completed base height.



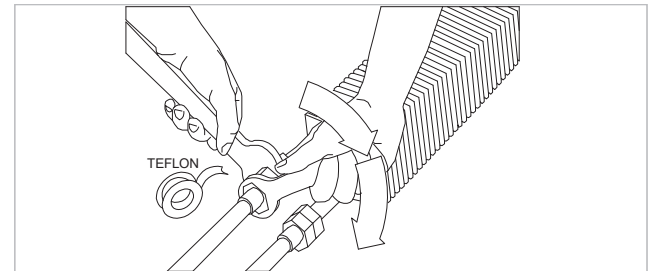
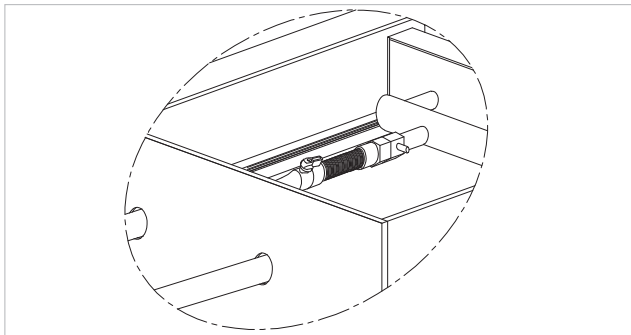
2. After placing the floor convector according to the project, make the level adjustment using the Allen bolts.



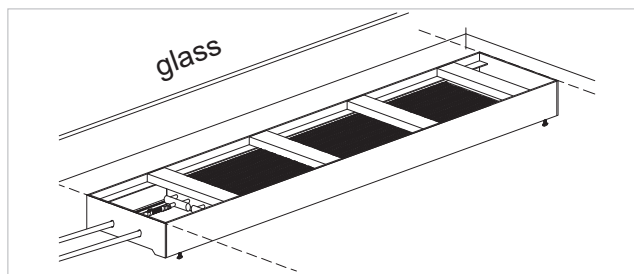
3. After adjusting the Allen bolts, control the evenness with a water gauge.



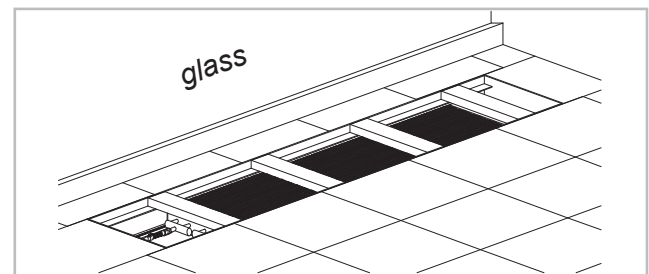
4. Make the hydraulic connections and electrical connections if it is with fan. Check all the connections before the cement screed is cast.



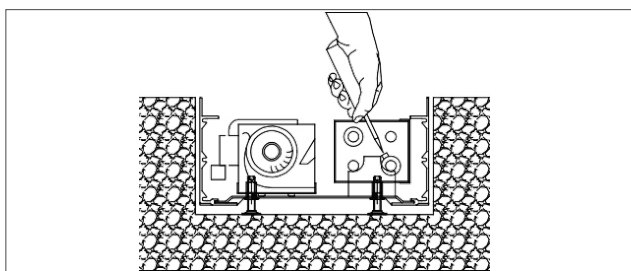
5. When connecting the coil input-output pipes, use double key and teflon.



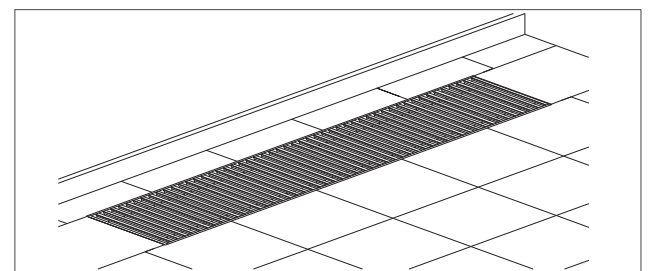
6. Place the intermediate retainer templates in the case as evenly spaced.



7. In order to prevent the construction residues enter in the convector, place a separator in the case. Fill in around the case with cement screed.

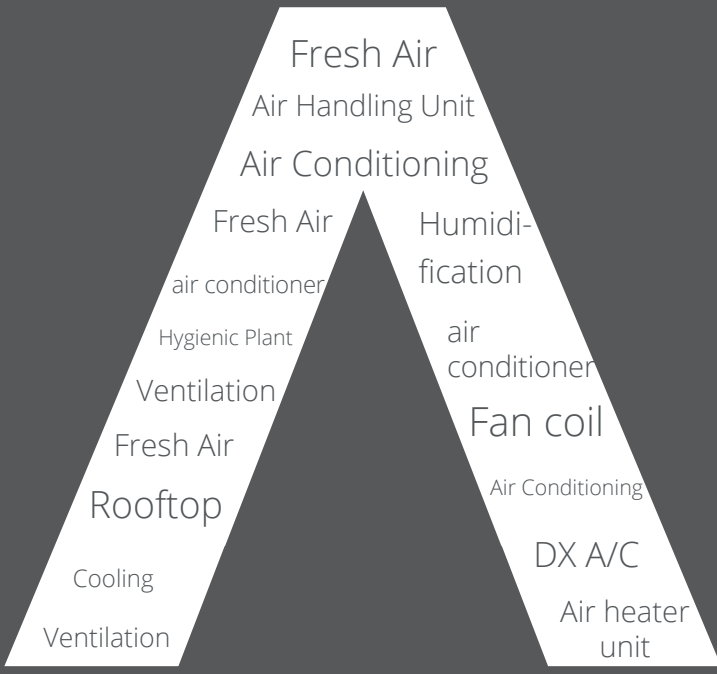


8. It is started-up after the installation is filled with water. The air in the installation is emptied from the air relief cock at the entrance of the coil.



9. After the concrete dries, the intermediate retainer templates are removed and the linear grille is laid.

Rev.08.19



AIR+PLUS

Air Conditioning Technologies

Airplus İklimlendirme Teknolojileri San. Tic. Ltd. Şti

Sırapınar Mah.Beykoz Cad.Çanakçı Dere Mevki
No:99-3 Çekmeköy - İstanbul

Tel : +90 (216) 420 65 58
Faks : +90 (216) 420 65 59

www.airplus.com.tr