



Technical catalogue

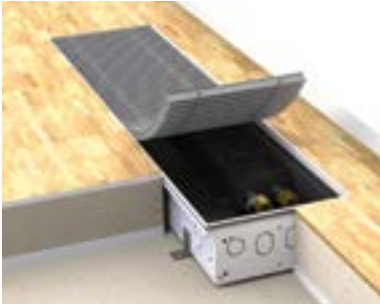
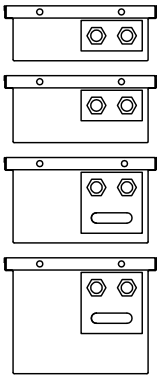
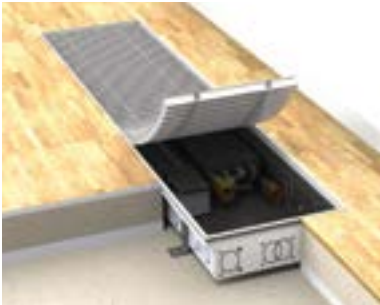
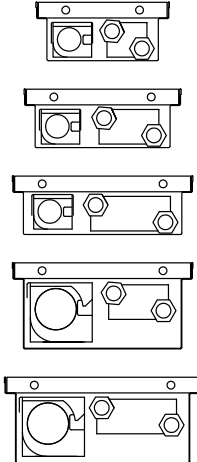
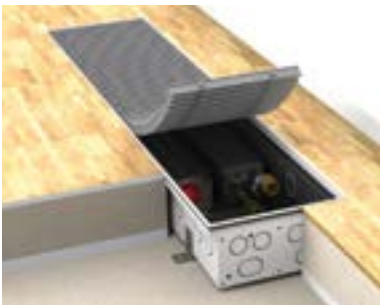
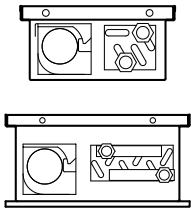
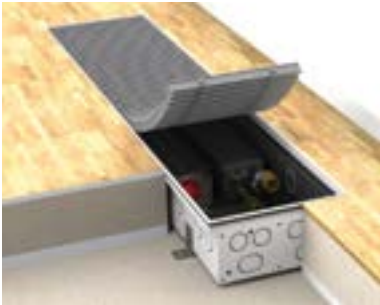
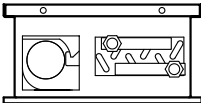
07/2020

trench convectors **Aquilo**

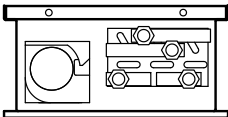
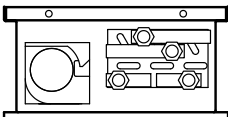
trench convectors

Range overview	4
Aquilo FMS (no fan)	6
Aquilo F1S (fan version)	14
Aquilo F2C / F2V (heating or cooling)	22
Aquilo F4C / F4V (heating and cooling)	28
Grilles	33
Decorative grilles	34
Connections to pipe systems	38
Electrical installation	41
RAS transformers	42
Wiring diagrams (examples)	43
Hydraulic characteristics	49
Conversion table	54
Accessories	55
Order codes	58
About our company	60

Range overview

		types
	Aquila FMS (no fan) 2 connections height [mm]: 90, 110, 140, 190 width [mm]: 200, 250, 300, 340, 420 overall length [mm]: 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1800, 2000, 2200, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3200, 3400, 3600	
	Aquila F1S (with a 24 V fan) 2 connections height [mm]: 75 width [mm]: 170, 200, 230 height [mm]: 110 width [mm]: 230, 250 overall length [mm]: 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1800, 2000, 2200, 2400, 2500, 2600, 2800, 3000	
	Aquila F2C (heating or cooling, with a 24 V fan) 2 connections height [mm]: 110 width [mm]: 230 height [mm]: 170 width [mm]: 340 overall length [mm]: 850, 1200, 1600, 2100, 2400, 2700	
	Aquila F2V (heating or cooling, with a 230 V fan) 2 connections height [mm]: 170 width [mm]: 340 overall length [mm]: 850, 1200, 1600, 2100, 2400, 2700	

Range overview

		types
	Aquilo F4C (heating and cooling, with a 24 V fan) 2 connections - heating circuit 2 connections - cooling circuit height [mm]: 170 width [mm]: 340 overall length [mm]: 850, 1200, 1600, 2100, 2400, 2700	
	Aquilo F4V (heating and cooling, with a 230 V fan) 2 connections - heating circuit 2 connections - cooling circuit height [mm]: 170 width [mm]: 340 overall length [mm]: 850, 1200, 1600, 2100, 2400, 2700	



AQUILO FMS (NO FAN)

Aquilo FMS trench convectors are specially designed for in-floor installation. The heating element is a copper-aluminum heat exchanger, painted black and mounted inside a double-side galvanized steel duct which is also painted black on the inside. On the top the convector is protected by a range of decorative grilles made of a choice of different materials. The grille is ordered separately. The heat exchanger is connected to the heating system by two G ½" internal thread pipes.

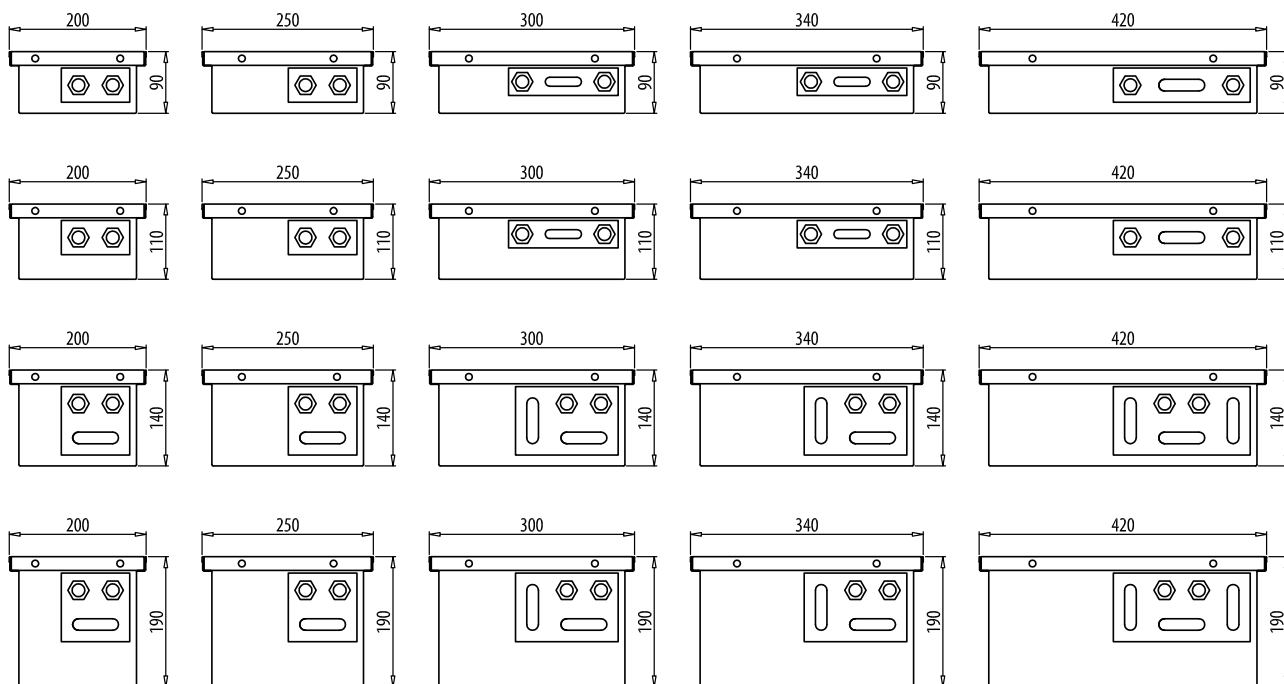
Technical specification

- Width : 200, 250, 300, 340, 420 mm
- Length : from 700 up to 3600 mm
- Height: 90, 110, 140, 190 mm
- Heat exchanger : aluminum finned copper
- Duct design : Double-side galvanized steel, black RAL 9005 dry powder-coated on the inside
option: stainless steel
- Grille material : wood (oak, beech)
Duralumin in a choice of colours: natural, light brown, dark brown or black
stainless steel
- Connections: 2 x G ½" – internal thread
- Operating pressure : 10 bar
- Max. temperature : 110 °C
- Test pressure : 13 bar

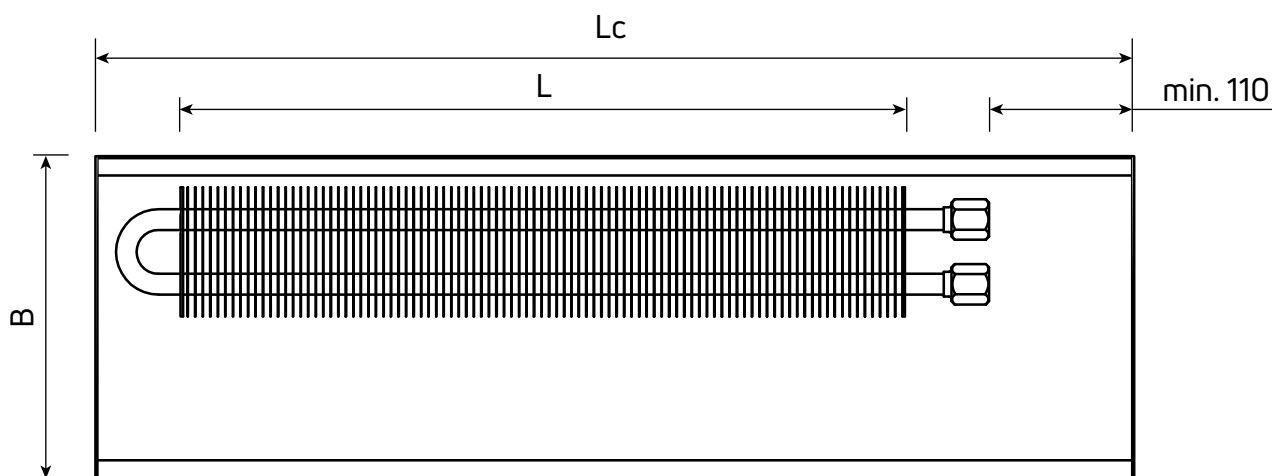


- Heat exchanger accessories :
manual air vent, 2 side covers, 10 cm long stainless steel flexible connector kit with a G ½" thread
- Duct accessories :
leveling bolts M8x30 mm with internal hexagon (for duct length up to 2.5 m – 4 pcs., over 2.5 m – 6 pcs.), 4 surface mounting elements with duct fixing screws, breakable pass for the heating system pipes + 2 rubber passes for domestic electric circuit connection, covers for masking heat exchanger connections, protecting the heat exchanger and duct against damage or scuffing during installation, as well as protecting the duct against distortion during floor laying

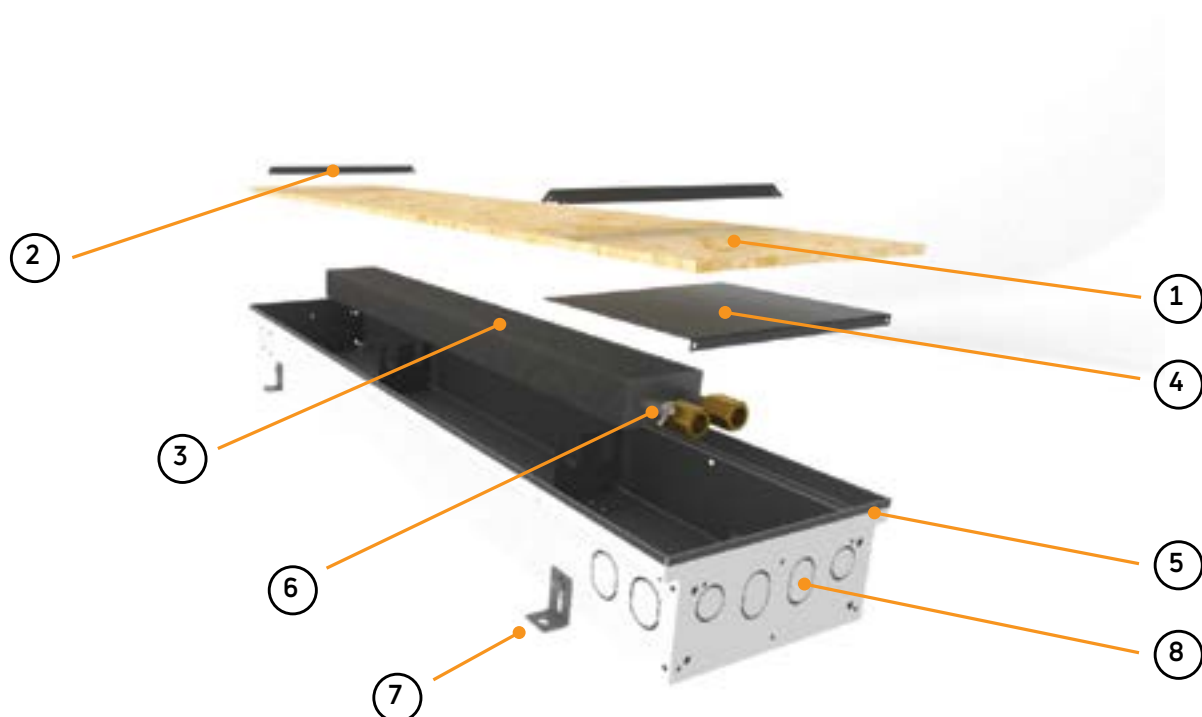
side views



top view - examples



Lc - convector's overall length
L - exchanger's length
B - width



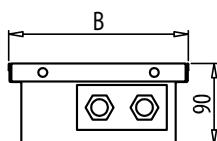
- 1 - Protective cover
- 2 - Braces to prevent distortion during floor laying
- 3 - Heat exchanger (copper pipes, aluminum fins, coated with black varnish).
- 4 - Cover sheet to hide valves and connections.

- 5 - Duct (double-side galvanized, and varnished).
- 6 - Air vent.
- 7 - Surface mounting brackets.
- 8 - Knock-outs for pipe connections.

weight and water content

width - B	[mm]	200				250				300				340				420			
height	[mm]	90	110	140	190	90	110	140	190	90	110	140	190	90	110	140	190	90	110	140	190
weight	[kg/m]	6.7	7	8.8	9.5	7.3	7.7	9.5	10.2	8.8	9	11.7	12.3	9.3	9.7	12.2	13	11.3	11.5	14.8	15.5
water content	[l/m]	0.3	0.3	0.6	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.9	0.9	0.3	0.3	0.9	0.9	0.6	0.6	1.2	1.2

DESCRIPTION - EXAMPLE: **Aquilo FMS 25 150 09 01**



name
width [cm]
length [cm]
height [cm]
duct design

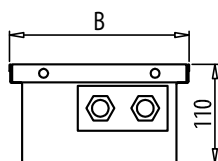


Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	B - width [mm]				
		200	250	300	340	420
700	75/65/20 55/45/20	110 54	137 67	176 86	194 95	228 111
800	75/65/20 55/45/20	134 66	166 81	215 105	237 116	277 135
900	75/65/20 55/45/20	158 77	196 96	253 124	279 136	327 160
1000	75/65/20 55/45/20	182 89	226 111	291 142	321 157	377 184
1100	75/65/20 55/45/20	206 101	255 125	330 161	363 178	426 208
1200	75/65/20 55/45/20	230 112	285 139	368 180	406 199	476 233
1300	75/65/20 55/45/20	254 124	315 154	406 199	448 219	525 257
1400	75/65/20 55/45/20	278 136	344 168	445 218	490 240	575 281
1500	75/65/20 55/45/20	302 148	374 183	483 236	532 260	624 305
1600	75/65/20 55/45/20	326 159	404 198	521 255	575 281	674 330
1800	75/65/20 55/45/20	374 183	463 226	598 292	659 322	773 378
2000	75/65/20 55/45/20	422 206	523 256	675 330	744 364	872 426
2200	75/65/20 55/45/20	470 230	582 285	751 367	828 405	971 475
2400	75/65/20 55/45/20	518 253	641 313	828 405	912 446	1070 523
2500	75/65/20 55/45/20	542 265	671 328	866 423	955 467	1120 548
2600	75/65/20 55/45/20	566 277	701 343	905 443	997 488	1169 572
2700	75/65/20 55/45/20	590 289	730 357	943 461	1039 508	1219 596
2800	75/65/20 55/45/20	614 300	760 372	981 480	1081 529	1268 620
2900	75/65/20 55/45/20	638 312	790 386	1019 498	1124 550	1318 645
3000	75/65/20 55/45/20	662 324	820 401	1058 517	1166 570	1367 668
3200	75/65/20 55/45/20	710 347	879 430	1134 555	1250 611	1466 717
3400	75/65/20 55/45/20	758 371	938 459	1211 592	1335 653	1565 765
3600	75/65/20 55/45/20	806 394	998 488	1288 630	1419 694	1665 814

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

All Aquilo convectors available on request.

(no fan) - height 110 mm

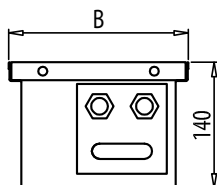
DESCRIPTION - EXAMPLE : **Aquilo FMS 25 150 11 01**

name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____

Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	B - width [mm]				
		200	250	300	340	420
700	75/65/20 55/45/20	121 59	161 79	213 104	232 113	278 136
800	75/65/20 55/45/20	148 72	196 96	260 127	282 138	338 165
900	75/65/20 55/45/20	174 85	231 113	306 150	332 162	399 195
1000	75/65/20 55/45/20	200 98	266 130	353 173	383 187	459 224
1100	75/65/20 55/45/20	227 111	301 147	399 195	433 212	520 254
1200	75/65/20 55/45/20	253 124	336 164	445 218	483 236	580 284
1300	75/65/20 55/45/20	280 137	372 182	492 241	534 261	640 313
1400	75/65/20 55/45/20	306 150	407 199	538 263	584 286	701 343
1500	75/65/20 55/45/20	332 162	442 216	584 286	635 311	761 372
1600	75/65/20 55/45/20	359 176	477 233	631 309	685 335	822 402
1800	75/65/20 55/45/20	411 201	547 267	724 354	786 384	942 461
2000	75/65/20 55/45/20	464 227	617 302	816 399	886 433	1063 520
2200	75/65/20 55/45/20	517 253	687 336	909 445	987 483	1184 579
2400	75/65/20 55/45/20	570 279	757 370	1002 490	1088 532	1305 638
2500	75/65/20 55/45/20	596 291	792 387	1048 512	1138 556	1365 667
2600	75/65/20 55/45/20	623 305	827 404	1095 535	1188 581	1426 697
2700	75/65/20 55/45/20	649 317	862 422	1141 558	1239 606	1486 727
2800	75/65/20 55/45/20	675 330	897 439	1187 580	1289 630	1546 756
2900	75/65/20 55/45/20	702 343	932 456	1234 603	1340 655	1607 786
3000	75/65/20 55/45/20	728 356	967 473	1280 626	1390 680	1667 815
3200	75/65/20 55/45/20	781 382	1038 508	1373 671	1491 729	1788 874
3400	75/65/20 55/45/20	834 408	1108 542	1466 717	1591 778	1909 934
3600	75/65/20 55/45/20	886 433	1178 576	1558 762	1692 827	2030 993

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

All Aquilo convectors available on request.



DESCRIPTION - EXAMPLE: **Aquilo FMS 25 150 14 01**

name
width [cm]
length [cm]
height [cm]
duct design

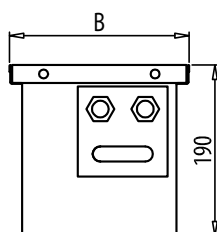


Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	B - width [mm]				
		200	250	300	340	420
700	75/65/20 55/45/20	134 66	199 97	238 116	276 135	325 159
800	75/65/20 55/45/20	163 80	242 118	290 142	337 165	395 193
900	75/65/20 55/45/20	193 94	285 139	341 167	397 194	466 228
1000	75/65/20 55/45/20	222 109	328 160	393 192	457 223	537 263
1100	75/65/20 55/45/20	251 123	371 181	445 218	517 253	607 297
1200	75/65/20 55/45/20	280 137	414 202	496 243	577 282	678 332
1300	75/65/20 55/45/20	309 151	458 224	548 268	637 311	748 366
1400	75/65/20 55/45/20	339 166	501 245	600 293	697 341	819 400
1500	75/65/20 55/45/20	368 180	544 266	652 319	757 370	890 435
1600	75/65/20 55/45/20	397 194	587 287	703 344	817 400	960 469
1800	75/65/20 55/45/20	455 222	673 329	807 395	938 459	1102 539
2000	75/65/20 55/45/20	514 251	760 372	910 445	1058 517	1243 608
2200	75/65/20 55/45/20	572 280	846 414	1014 496	1178 576	1384 677
2400	75/65/20 55/45/20	630 308	932 456	1117 546	1298 635	1525 746
2500	75/65/20 55/45/20	660 323	975 477	1169 572	1358 664	1596 780
2600	75/65/20 55/45/20	689 337	1019 498	1220 597	1418 693	1666 815
2700	75/65/20 55/45/20	718 351	1062 519	1272 622	1479 723	1737 849
2800	75/65/20 55/45/20	747 365	1105 540	1324 647	1539 753	1808 884
2900	75/65/20 55/45/20	776 379	1148 561	1376 673	1599 782	1878 918
3000	75/65/20 55/45/20	805 394	1191 582	1427 698	1659 811	1949 953
3200	75/65/20 55/45/20	864 422	1278 625	1531 749	1779 870	2090 1022
3400	75/65/20 55/45/20	922 451	1364 667	1634 799	1899 929	2231 1091
3600	75/65/20 55/45/20	981 480	1450 709	1738 850	2019 987	2373 1160

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

All Aquilo convectors available on request.

(no fan) - height 190 mm

DESCRIPTION - EXAMPLE : **Aquilo FMS 25 150 19 01**

name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____

Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	B - width [mm]				
		200	250	300	340	420
700	75/65/20 55/45/20	138 67	226 111	300 147	364 178	449 220
800	75/65/20 55/45/20	169 83	275 134	365 178	444 217	547 267
900	75/65/20 55/45/20	199 97	325 159	430 210	523 256	645 315
1000	75/65/20 55/45/20	229 112	374 183	496 243	602 294	742 363
1100	75/65/20 55/45/20	259 127	423 207	561 274	681 333	840 411
1200	75/65/20 55/45/20	289 141	472 231	626 306	761 372	937 458
1300	75/65/20 55/45/20	319 156	521 255	691 338	840 411	1035 506
1400	75/65/20 55/45/20	349 171	571 279	756 370	919 449	1133 554
1500	75/65/20 55/45/20	379 185	620 303	822 402	998 488	1230 601
1600	75/65/20 55/45/20	409 200	669 327	887 434	1078 527	1328 649
1800	75/65/20 55/45/20	470 230	767 375	1017 497	1236 604	1523 745
2000	75/65/20 55/45/20	530 259	866 423	1148 561	1395 682	1719 841
2200	75/65/20 55/45/20	590 289	964 471	1278 625	1553 759	1914 936
2400	75/65/20 55/45/20	650 318	1062 519	1408 689	1711 837	2109 1031
2500	75/65/20 55/45/20	680 333	1112 544	1474 721	1791 876	2207 1079
2600	75/65/20 55/45/20	710 347	1161 568	1539 753	1870 914	2305 1127
2700	75/65/20 55/45/20	741 362	1210 592	1604 784	1949 953	2402 1175
2800	75/65/20 55/45/20	771 377	1259 616	1669 816	2028 992	2500 1223
2900	75/65/20 55/45/20	801 392	1308 640	1734 848	2108 1031	2598 1270
3000	75/65/20 55/45/20	831 406	1357 664	1800 880	2187 1069	2695 1318
3200	75/65/20 55/45/20	891 436	1456 712	1930 944	2345 1147	2891 1414
3400	75/65/20 55/45/20	951 465	1554 760	2060 1007	2504 1224	3086 1509
3600	75/65/20 55/45/20	1011 494	1653 808	2191 1071	2662 1302	3281 1604

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

All Aquilo convectors available on request.

[illegible]



AQUILO F1S (FAN VERSION)

Aquila F1S trench convectors are specially designed for in-floor installation. The heating element is a copper-aluminum heat exchanger, painted black and mounted inside a double-side galvanized steel duct which is, also painted black on the inside. Aquila F1S convectors are additionally equipped with noiseless centrifugal fans mounted inside the duct. The number of fans is determined by the length of the convector and the required heat output. The fans are driven by 24 V motors. On the top the convector is protected by a range of decorative grilles made of a choice of different materials. The grille is ordered separately. The heat exchanger is connected to the heating system by two G ½" internal thread pipes.

Electrical accessories required to complete the installation and to be ordered separately include a transformer, as well as a surface-mounted thermostat to control fan speed.

Technical specification

- Height : 75 mm (width 170, 200, 230 mm)
110 mm (width 230, 250 mm)
- Length : from 700 up to 3000 mm
- Heat exchanger : aluminum finned copper
- Duct design : Double-side galvanized steel, black RAL 9005 dry powder-coated on the inside
option: stainless steel
- Grille material : wood (oak, beech)
Duralumin in a choice of colours : natural, light brown, dark brown or black
stainless steel
- Connections : 2 x G ½" – internal thread
- Operating pressure : 10 bar
- Max. temperature : 110 °C
- Test pressure : 13 bar

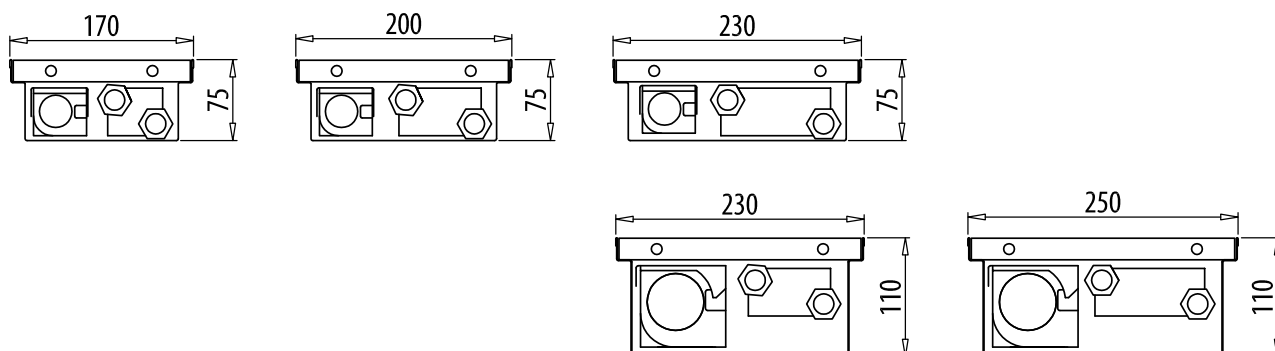


- Heat exchanger accessories : manual air vent, 10 cm long stainless steel flexible connector kit with a G ½" thread
- Duct accessories : leveling bolts M8x30 mm with internal hexagon (for duct length up to 2.5 m – 4 pcs., over 2.5 m – 6 pcs.), 4 surface mounting elements with duct fixing screws, breakable pass for the heating system pipes + 2 rubber passes for domestic electric circuit connection, covers for masking heat exchanger connections, protecting the heat exchanger and duct against damage or scuffing during installation, as well as protecting the duct against distortion during floor laying
- Standard electrical accessories : 1 or 2 modules with centrifugal fans driven with 24V motors (the number of the fans in a single module depends on the convector's length). Every single module incorporates one motor.
- Obligatory additional electrical accessories : RAS transformer (~230/24V) appropriate to the convector's - or the group of convectors - size, depending on the number of connected motors, together with a manual switch, or a room thermostat with a manual or automatic speed switch, to regulate the convector's heat output via a three-level setting of the fan's speed (the remote-controlled thermostat available)

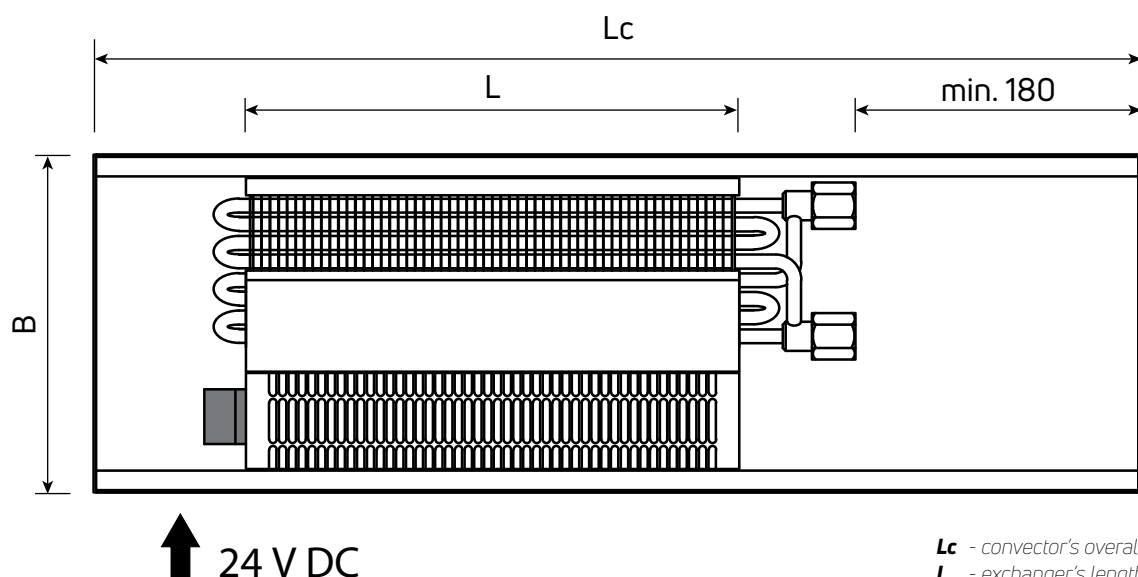
Note:

It is strictly forbidden to power the F1S convector directly from the ~230 V electric circuit. The application of an adequate RAS transformer is a must.

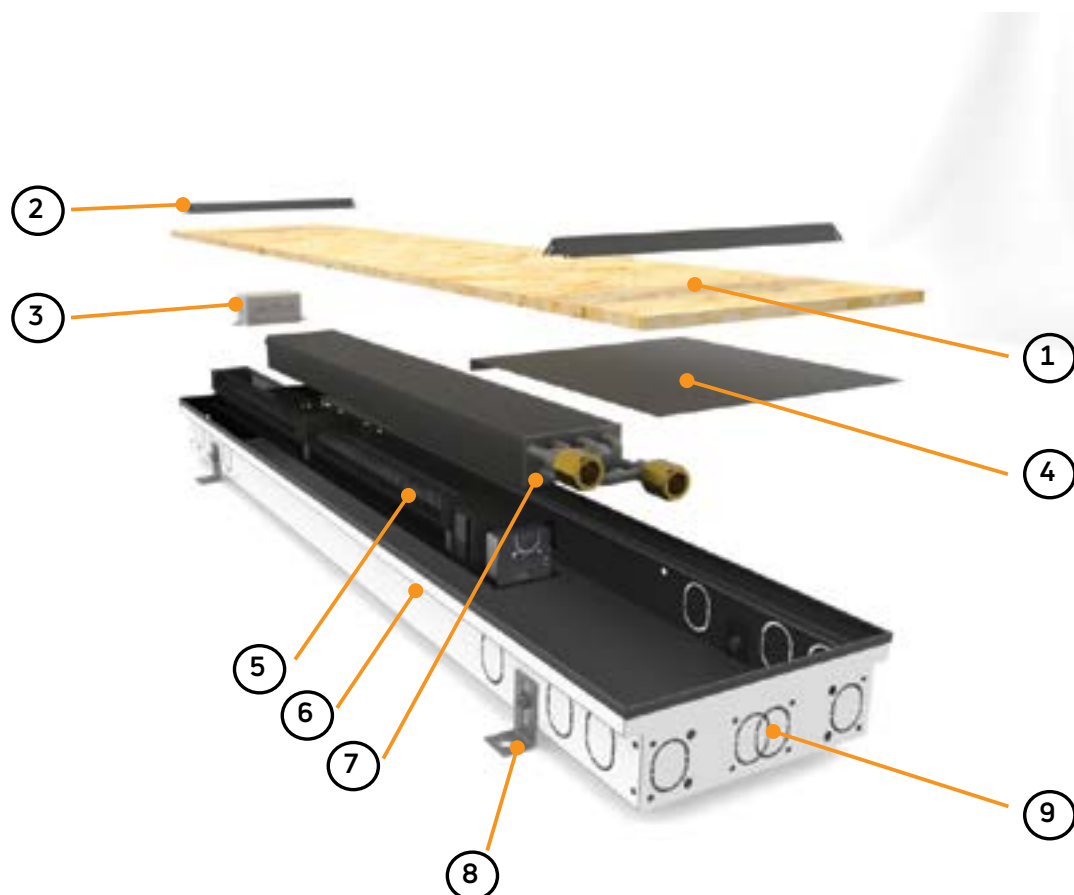
side views



top view - examples



L_c - convector's overall length
 L - exchanger's length
 B - width



- 1 - Protective cover
- 2 - Braces to prevent distortion during floor laying
- 3 - Flush box for fan power supply.
- 4 - Cover sheet to hide valves and connections.
- 5 - Heat exchanger (copper pipes, aluminum fins, coated with black varnish).

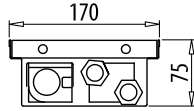
- 6 - Duct (double-side galvanized, and varnished).
- 7 - Air vent.
- 8 - Surface mounting brackets.
- 9 - Knock-outs for pipe connections.

weight and water content

height	[mm]	75			110	
width - B	[mm]	170	200	230	230	250
weight	[kg/m]	7.2	8	9.3	9.2	10.2
water content	[l/m]	0.1	0.2	0.4	0.2	0.4

Note: do not use the linear grilles with the F1S convectors!

DESCRIPTION - EXAMPLE : **Aquila F1S 17 150 08 01**



name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____



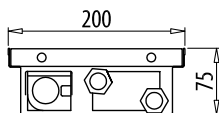
Lc overall length [mm]	Heat output t _s / t _r / t _i [°C]	width 170 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
700	75/65/20 55/45/20	192 109	342 195	427 243	< 20	22	30	1	8
800	75/65/20 55/45/20	192 109	342 195	427 243					
900	75/65/20 55/45/20	192 109	342 195	427 243					
1000	75/65/20 55/45/20	397 226	706 402	883 503		23	31		
1100	75/65/20 55/45/20	397 226	706 402	883 503					
1200	75/65/20 55/45/20	397 226	706 402	883 503					
1300	75/65/20 55/45/20	602 343	1070 610	1338 763		24	32		
1400	75/65/20 55/45/20	602 343	1070 610	1338 763					
1500	75/65/20 55/45/20	714 407	1269 723	1586 904		25	32		
1600	75/65/20 55/45/20	714 407	1269 723	1586 904					
1800	75/65/20 55/45/20	875 499	1555 886	1944 1108	21	26	33	2	16
2000	75/65/20 55/45/20	987 563	1754 1000	2193 1250					
2200	75/65/20 55/45/20	1086 619	1930 1100	2413 1375					
2400	75/65/20 55/45/20	1197 682	2129 1214	2661 1517	22	27	34		
2500	75/65/20 55/45/20	1297 739	2306 1314	2882 1643					
2600	75/65/20 55/45/20	1297 739	2306 1314	2882 1643	23	28	35		
2800	75/65/20 55/45/20	1409 803	2504 1427	3130 1784					
3000	75/65/20 55/45/20	1564 891	2780 1585	3475 1981					

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

(fan version) - height 75 mm

**Note: do not use the linear grilles with the F1S convectors!**DESCRIPTION - EXAMPLE : **Aquilo F1S 20 150 08 01**

name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____

Lc overall length [mm]	Heat output t _s / t _r / t _i [°C]	width 200 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
700	75/65/20 55/45/20	285 162	506 288	633 361	< 20	22	30	1	8
800	75/65/20 55/45/20	285 162	506 288	633 361					
900	75/65/20 55/45/20	285 162	506 288	633 361					
1000	75/65/20 55/45/20	588 335	1046 596	1307 745		23	31		
1100	75/65/20 55/45/20	588 335	1046 596	1307 745					
1200	75/65/20 55/45/20	588 335	1046 596	1307 745					
1300	75/65/20 55/45/20	891 508	1585 903	1981 1129					
1400	75/65/20 55/45/20	891 508	1585 903	1981 1129					
1500	75/65/20 55/45/20	1057 602	1878 1070	2348 1338		25	32		
1600	75/65/20 55/45/20	1057 602	1878 1070	2348 1338					
1800	75/65/20 55/45/20	1296 739	2303 1313	2879 1641	21	26	33	2	16
2000	75/65/20 55/45/20	1461 833	2598 1481	3247 1851					
2200	75/65/20 55/45/20	1608 917	2859 1630	3574 2037					
2400	75/65/20 55/45/20	1773 1011	3153 1797	3941 2246	22	27	34		
2500	75/65/20 55/45/20	1921 1095	3414 1946	4268 2433					
2600	75/65/20 55/45/20	1921 1095	3414 1946	4268 2433	23	28	35		
2800	75/65/20 55/45/20	2086 1189	3708 2114	4635 2642					
3000	75/65/20 55/45/20	2316 1320	4117 2347	5146 2933					

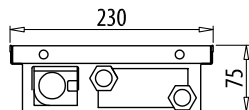
Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

Note: do not use the linear grilles with the F1S convectors!

DESCRIPTION - EXAMPLE : **Aquila F1S 23 150 08 01**



name
width [cm]
length [cm]
height [cm]
duct design



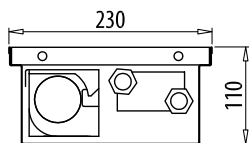
Lc overall length [mm]	Heat output t _s / t _r / t _i [°C]	width 230 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
700	75/65/20 55/45/20	313 178	556 317	695 396	< 20	22	30	1	8
800	75/65/20 55/45/20	313 178	556 317	695 396					
900	75/65/20 55/45/20	313 178	556 317	695 396					
1000	75/65/20 55/45/20	645 368	1147 654	1434 817		23	31		
1100	75/65/20 55/45/20	645 368	1147 654	1434 817					
1200	75/65/20 55/45/20	645 368	1147 654	1434 817					
1300	75/65/20 55/45/20	978 557	1739 991	2174 1239		24	32		
1400	75/65/20 55/45/20	978 557	1739 991	2174 1239					
1500	75/65/20 55/45/20	1160 661	2062 1175	2578 1469					
1600	75/65/20 55/45/20	1160 661	2062 1175	2578 1469					
1800	75/65/20 55/45/20	1422 811	2528 1441	3160 1801	21	26	33	2	16
2000	75/65/20 55/45/20	1604 914	2851 1625	3564 2031					
2200	75/65/20 55/45/20	1765 1006	3138 1789	3922 2236					
2400	75/65/20 55/45/20	1947 1110	3461 1973	4326 2466	22	27	34		
2500	75/65/20 55/45/20	2108 1202	3747 2136	4684 2670					
2600	75/65/20 55/45/20	2108 1202	3747 2136	4684 2670	23	28	35		
2800	75/65/20 55/45/20	2290 1305	4070 2320	5088 2900					
3000	75/65/20 55/45/20	2542 1449	4518 2575	5648 3219					

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

(fan version) - height 110 mm

**Note: do not use the linear grilles with the F1S convectors!**DESCRIPTION - EXAMPLE : **Aquilo F1S 23 150 11 01**

name _____

width [cm] _____

length [cm] _____

height [cm] _____

duct design _____

Lc overall length [mm]	Heat output t _s / t _r / t _i [°C]	width 230 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
700	75/65/20 55/45/20	397 226	706 402	882 503	21	26	32	1	16
800	75/65/20 55/45/20	397 226	706 402	882 503					
900	75/65/20 55/45/20	397 226	706 402	882 503					
1000	75/65/20 55/45/20	820 467	1458 831	1822 1039	22	28	34		
1100	75/65/20 55/45/20	820 467	1458 831	1822 1039					
1200	75/65/20 55/45/20	820 467	1458 831	1822 1039					
1300	75/65/20 55/45/20	1242 708	2209 1259	2761 1574	23	30	36		
1400	75/65/20 55/45/20	1242 708	2209 1259	2761 1574					
1500	75/65/20 55/45/20	1473 840	2619 1493	3274 1866	24	31	37		
1600	75/65/20 55/45/20	1473 840	2619 1493	3274 1866					
1800	75/65/20 55/45/20	1806 1029	3211 1830	4014 2288	25	33	39	2	32
2000	75/65/20 55/45/20	2037 1161	3621 2064	4526 2580					
2200	75/65/20 55/45/20	2242 1278	3986 2272	4982 2840					
2400	75/65/20 55/45/20	2472 1409	4395 2505	5494 3132	26	35	41		
2500	75/65/20 55/45/20	2678 1526	4760 2713	5950 3392					
2600	75/65/20 55/45/20	2678 1526	4760 2713	5950 3392	27	36	42		
2800	75/65/20 55/45/20	2908 1658	5170 2947	6462 3683					
3000	75/65/20 55/45/20	3228 1840	5739 3271	7174 4089					

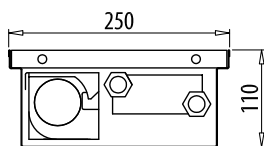
Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

Note: do not use the linear grilles with the F1S convectors!

DESCRIPTION - EXAMPLE : **Aquila F1S 25 150 11 01**



name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____



Lc overall length [mm]	Heat output t _s / t _r / t _i [°C]	width 250 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
700	75/65/20 55/45/20	541 308	962 548	1202 685	21	26	32	1	16
800	75/65/20 55/45/20	541 308	962 548	1202 685					
900	75/65/20 55/45/20	541 308	962 548	1202 685					
1000	75/65/20 55/45/20	1117 637	1986 1132	2482 1415	22	28	34		
1100	75/65/20 55/45/20	1117 637	1986 1132	2482 1415					
1200	75/65/20 55/45/20	1117 637	1986 1132	2482 1415					
1300	75/65/20 55/45/20	1693 965	3010 1716	3763 2145	23	30	36		
1400	75/65/20 55/45/20	1693 965	3010 1716	3763 2145					
1500	75/65/20 55/45/20	2007 1144	3569 2034	4461 2543	24	31	37		
1600	75/65/20 55/45/20	2007 1144	3569 2034	4461 2543					
1800	75/65/20 55/45/20	2461 1403	4375 2494	5469 3117	25	33	39	2	32
2000	75/65/20 55/45/20	2775 1582	4934 2812	6167 3515					
2200	75/65/20 55/45/20	3055 1741	5430 3095	6788 3869					
2400	75/65/20 55/45/20	3369 1920	5989 3414	7486 4267	26	35	41		
2500	75/65/20 55/45/20	3648 2079	6486 3697	8107 4621					
2600	75/65/20 55/45/20	3648 2079	6486 3697	8107 4621	27	36	42		
2800	75/65/20 55/45/20	3962 2258	7044 4015	8805 5019					
3000	75/65/20 55/45/20	4399 2507	7820 4457	9775 5572					

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

AQUILO F2C / F2V (HEATING OR COOLING)

Aquilo F2C and F2V trench convectors are specially designed for the in-floor installation, and can be used for either heating or cooling. The heating or cooling element is a copper-aluminum heat exchanger, painted black and mounted inside a duct made of unpainted stainless steel.

Aquilo F2C and F2V convectors are additionally equipped with noiseless centrifugal fans mounted inside the duct. The number of fans is determined by the length of the convector and the required heat output. The fans are driven by 24 V motors (F2C model) or 230 V motors (F2V model). On the top the convector is protected by a range of decorative grilles made of a choice of different materials. The grille is ordered separately. The heat exchanger is connected to the heating or cooling system by two G ½" internal thread pipes. Electrical accessories required to complete the installation and to be ordered separately include a transformer, as well as a surface-mounted thermostat to control fan speed.

Technical specification

- Height : 110 mm (width 230 mm) - Aquilo F2C
170 mm (width 340 mm) - Aquilo F2C, F2V
- Length : 850, 1200, 1600, 2100, 2400, 2700 mm
- Heat exchanger : aluminum finned copper
- Duct design : standard version: unpainted stainless steel
Note: for swimming pool applications special versions are necessary
Detailed specifications are available on request.
- Grille material : wood (oak, beech), stainless steel
Duralumin in a choice of colours : natural, light brown, dark brown or black
Note: only Duralumin grilles can be used in case of cooling mode selection
- Connections : 2 x G ½" – internal thread
- Operating pressure : 10 bar
- Max. temperature : 110 °C



- Test pressure : 13 bar
- Heat exchanger accessories : manual air vent, 10 cm long stainless steel flexible connector kit with a G ½" thread
- Duct accessories : leveling bolts M8x30 mm with internal hexagon (for duct length up to 2.5 m – 4 pcs., over 2.5 m – 6 pcs.), 4 surface mounting elements with duct fixing screws, breakable pass for the heating or cooling system pipes + 2 rubber passes for domestic electric circuit connection, covers for masking heat exchanger connections, protecting the heat exchanger and duct against damage or scuffing during installation, as well as protecting the duct against distortion during floor laying
duct drainage
- Standard electrical accessories : 1 module with centrifugal fans driven with 24V motors in the F2C model and 230V in the F2V model (the number of the fans in a single module depends on the convector's length). Every single module incorporates one motor.
- Obligatory additional electrical accessories: RAS transformer (~230/24V in the F2C model) appropriate to the convector's - or the group of convectors - size, depending on the number of connected motors, together with a manual switch, or a room thermostat with a manual or automatic speed switch, to regulate the convector's heating or cooling efficiency via a three-level setting of the fan's speed (the remote-controlled thermostat available).

Note:

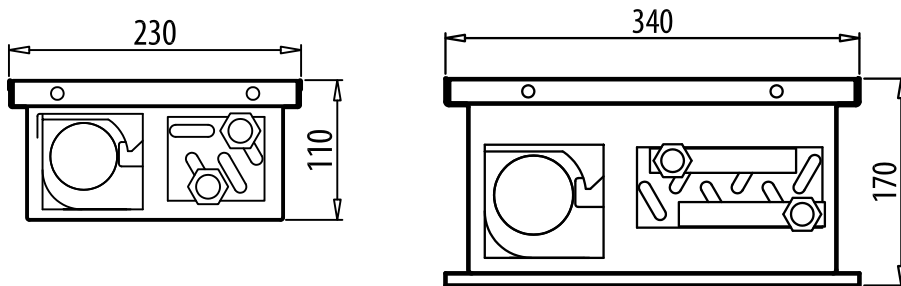
It is strictly forbidden to power the F2C convector directly from the ~230 V electric circuit. The application of an adequate RAS transformer is a must.

AQUILO F2C / F2V

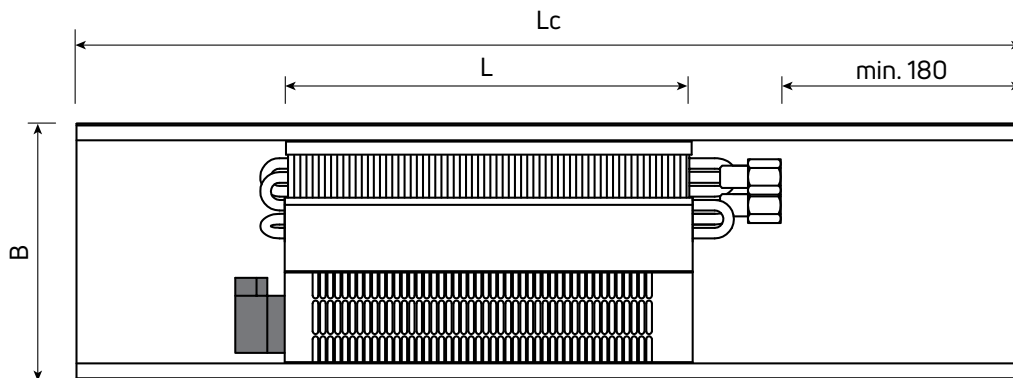
(heating or cooling)

TRENCH CONVECTORS
AQUILO F2C / F2V

side view



top view

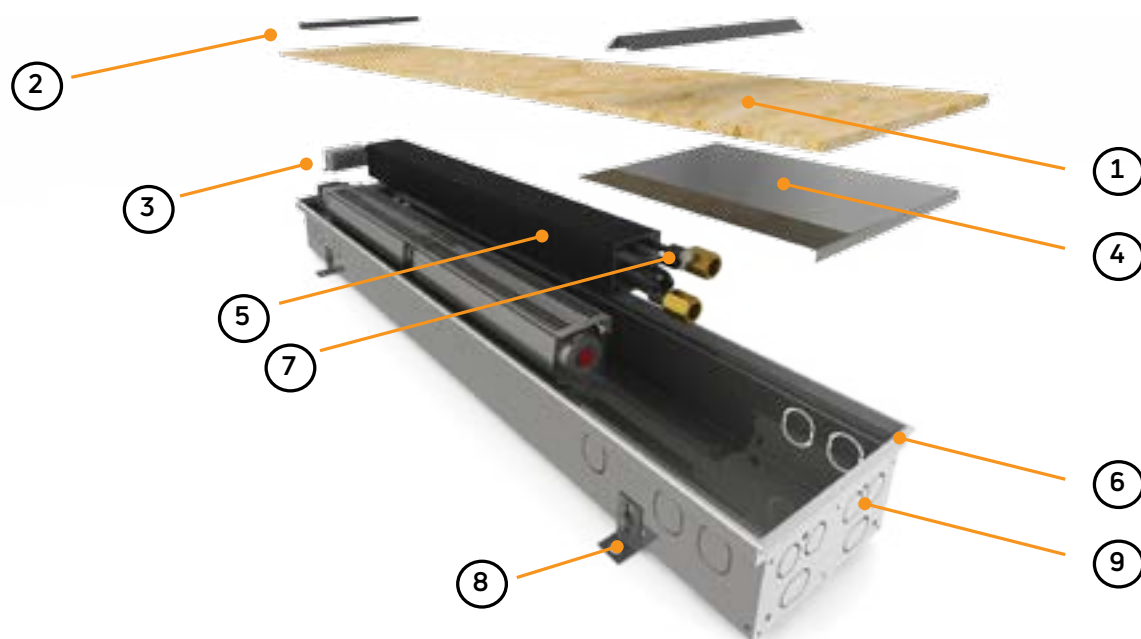


↑ F2C - 24 V DC
F2V - 230 V AC

Lc - convector's overall length
L - exchanger's length
B - width

weight and water content

		Aquilo F2C		Aquilo F2V
height	[mm]	110	170	170
width - B	[mm]	230	340	340
weight	[kg/m]	13.1	20.8	21.1
water content	[l/m]	0.3	0.7	0.7



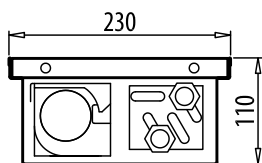
- 1 - Protective cover
- 2 - Braces to prevent distortion during floor laying
- 3 - Flush box for fan power supply.
- 4 - Cover sheet to hide valves and connections.
- 5 - Heat exchanger (copper pipes, aluminum fins, coated with black varnish).

- 6 - Duct (double-side galvanized, and varnished).
- 7 - Air vent.
- 8 - Surface mounting brackets.
- 9 - Knock-outs for pipe connections.

(heating or cooling) - height 110 mm

Note: do not use the linear grilles with the F2C convectors!

DESCRIPTION - EXAMPLE : **AQUILO F2C 23 120 11 11**



name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____



Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	width 230 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	75/65/20 55/45/20	501 286	890 507	1113 634	21	26	32	1	16
1200	75/65/20 55/45/20	1001 571	1780 1015	2225 1268	22	28	34		
1600	75/65/20 55/45/20	1487 848	2644 1507	3305 1884	23	30	36		
2100	75/65/20 55/45/20	2120 1208	3770 2149	4712 2686	25	33	39	2	32
2400	75/65/20 55/45/20	2592 1477	4607 2626	5759 3283	26	35	41		
2700	75/65/20 55/45/20	3107 1771	5524 3149	6905 3936	27	36	42		

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

Cooling mode

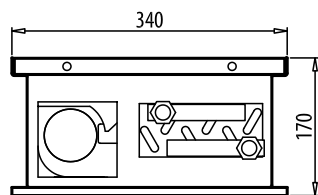
Lc overall length [mm]	Cooling output $t_s / t_r / t_l$ [°C]	width 230 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	8/14/28	128	227	284	21	26	32	1	16
1200	8/14/28	255	454	567	22	28	34		
1600	8/14/28	379	674	843	23	30	36		
2100	8/14/28	541	962	1202	25	33	39	2	32
2400	8/14/28	661	1175	1469	26	35	41		
2700	8/14/28	792	1409	1761	27	36	42		

Cooling output [W] in accordance with EN 16430 at 8/14/28 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

(heating or cooling) - height 170 mm

**Note: do not use the linear grilles with the F2C convectors!**DESCRIPTION - EXAMPLE: **AQUILO F2C 34 120 17 11**

name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____

Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	75/65/20 55/45/20	776 442	1380 787	1725 983	21	27	33	1	20
1200	75/65/20 55/45/20	1553 885	2760 1573	3450 1967	22	29	34		
1600	75/65/20 55/45/20	2306 1314	4099 2336	5124 2921	23	31	37		
2100	75/65/20 55/45/20	3288 1874	5845 3332	7306 4164	25	34	40	2	40
2400	75/65/20 55/45/20	4018 2290	7143 4072	8929 5090	26	35	42		
2700	75/65/20 55/45/20	4817 2746	8564 4881	10705 6102	27	37	43		

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.**Cooling mode**

Lc overall length [mm]	Cooling output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	8/14/28	198	352	440	21	27	33	1	20
1200	8/14/28	396	705	881	22	29	34		
1600	8/14/28	589	1046	1308	23	31	37		
2100	8/14/28	839	1492	1865	25	34	40	2	40
2400	8/14/28	1026	1823	2279	26	35	42		
2700	8/14/28	1230	2186	2733	27	37	43		

Cooling output [W] in accordance with EN 16430 at 8/14/28 °C.

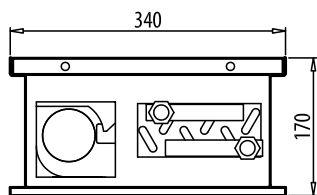
The fan is powered by 24V DC.

All Aquilo convectors available on request.

(heating or cooling) - height 170 mm

Note: do not use the linear grilles with the F2V convectors!

DESCRIPTION - EXAMPLE : **AQUILO F2V 34 120 17 11**



name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____



Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	75/65/20 55/45/20	942 537	1675 955	2094 1194	22	30	41	1	38
1200	75/65/20 55/45/20	1885 1074	3351 1910	4189 2388	23	31	41		
1600	75/65/20 55/45/20	2800 1596	4978 2837	6222 3547	25	33	42		
2100	75/65/20 55/45/20	3992 2275	7096 4045	8870 5056	25	35	45	2	76
2400	75/65/20 55/45/20	4879 2781	8674 4944	10842 6180	27	35	45		
2700	75/65/20 55/45/20	5849 3334	10398 5927	12998 7409	28	36	46		

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 230V AC.

Cooling mode

Lc overall length [mm]	Cooling output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	8/14/28	293	522	652	22	30	41	1	38
1200	8/14/28	586	1042	1303	23	31	41		
1600	8/14/28	871	1549	1936	25	33	42		
2100	8/14/28	1242	2208	2760	25	35	45	2	76
2400	8/14/28	1518	2699	3374	27	35	45		
2700	8/14/28	1820	3236	4045	28	36	46		

Cooling output [W] in accordance with EN 16430 at 8/14/28 °C.

The fan is powered by 230V AC.

All Aquilo convectors available on request.

AQUILO F4C / F4V (HEATING AND COOLING)

Aquilo F4C and F4V trench convectors are especially designed for the in-floor installation, and can be used for either heating and/or cooling. The heating or cooling element is a double-loop copper-aluminum heat exchanger, painted black, mounted inside a duct made of unpainted stainless steel.

Aquilo F4C and F4V convectors are additionally equipped with noiseless centrifugal fans mounted inside the duct. The number of fans is determined by the length of the convector and the required heat output. The fans are driven by 24 V motors (F4C model) or 230 V motors (F4V model). On the top the convector is protected by a range of decorative grilles made of a choice of different materials. The grille is ordered separately. The heat exchanger is connected to the heating and cooling systems by four G ½" internal thread pipes. Electrical accessories required to complete the installation and to be ordered separately include a transformer, as well as a surface-mounted thermostat to control fan speed.

Technical specification

- Width : 340 mm
- Length : 850, 1200, 1600, 2100, 2400, 2700 mm
- Height : 170 mm
- Heat exchanger : aluminum finned copper
- Duct design : standard version: stainless steel in natural colour
Note: for swimming pool applications special versions are necessary
Detailed specifications are available on request.
- Grille material : only Duralumin grilles can be used in the following choice of colours:
natural, light brown, dark brown or black
- Connections : 4 x G ½" – internal thread
- Operating pressure : 10 bar
- Max. temperature : 110 °C
- Test pressure : 13 bar



- Heat exchanger accessories :
manual air vent, 10 cm long stainless steel flexible connector kit with a G ½" thread
- Duct accessories :
leveling bolts M8x30 mm with internal hexagon (for duct length up to 2.5 m – 4 pcs., over 2.5 m – 6 pcs.), 4 surface mounting elements with duct fixing screws, breakable pass for the heating or cooling system pipes + 2 rubber passes for domestic electric circuit connection, covers for masking heat exchanger connections, protecting the heat exchanger and duct against damage or scuffing during installation, as well as protecting the duct against distortion during floor laying
duct drainage
- Standard electrical accessories :
1 or 2 modules with centrifugal fans driven with 24V motors in the F4C model and 230V in the F4V model (the number of the fans in a single module depends on the convector's length). Every single module incorporates one motor.
- Obligatory additional electrical accessories :
RAS transformer (~230/24V in the F4C model) appropriate to the convector's - or the group of convectors - size, depending on the number of connected motors, together with a manual switch, or a room thermostat with a manual or automatic speed switch, to regulate the convector's heating or cooling efficiency via a three-level setting of the fan's speed (the remote-controlled thermostat available).

Note:

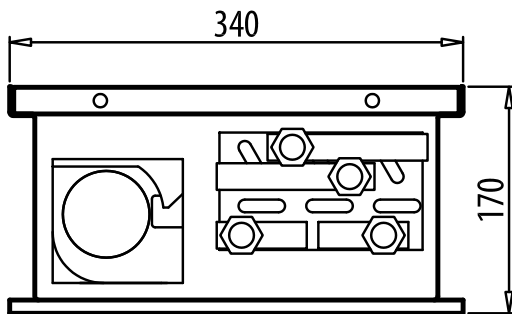
It is strictly forbidden to power the F4C convector directly from the ~230 V electric circuit. The application of an adequate RAS transformer is a must.

AQUILO F4C / F4V

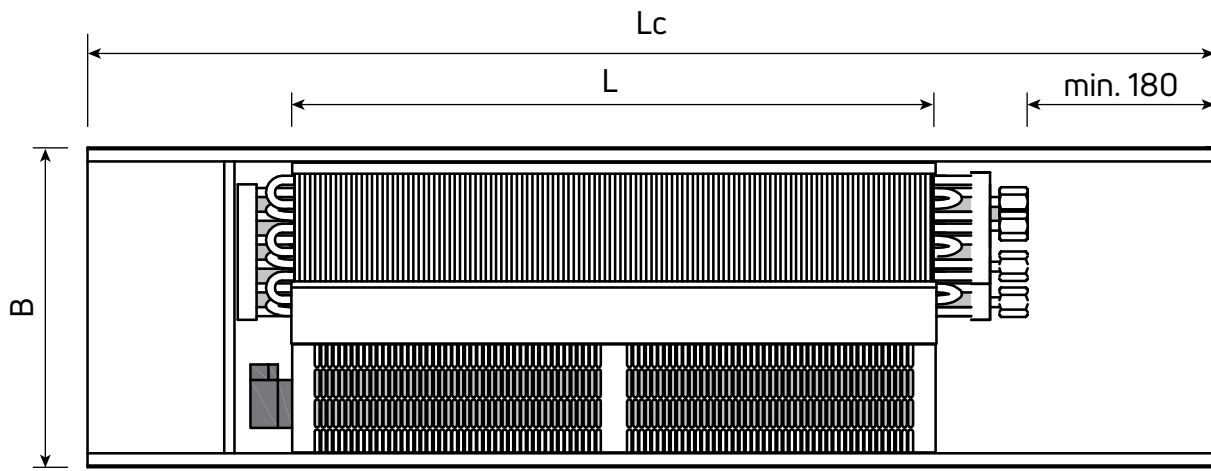
(heating and cooling)

TRENCH CONVECTORS
AQUILO F4C / F4V

side view



top view

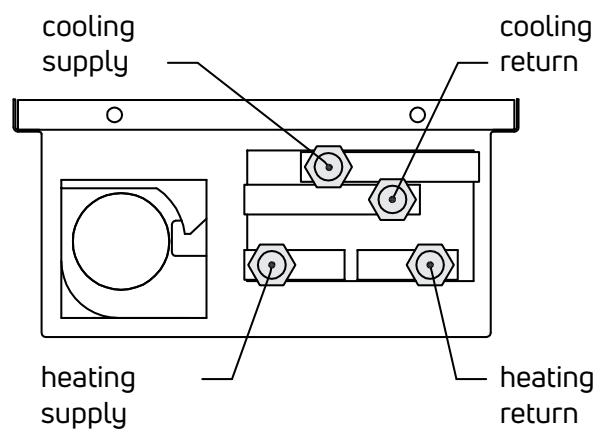


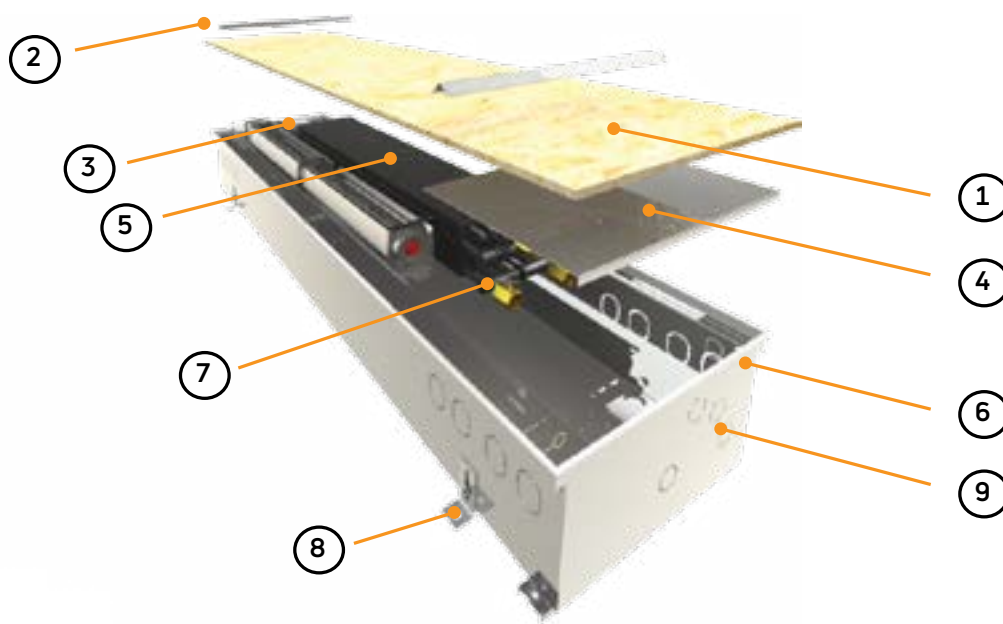
↑ F4C - 24 V DC
F4V - 230 V AC

Lc - convector's overall length
L - exchanger's length
B - width

weight and water content

width - B	[mm]	340
height	[mm]	170
weight	[kg/m]	21.6
water content	[l/m]	1.0





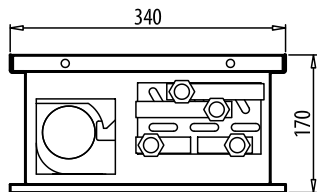
- 1 - Protective cover
- 2 - Braces to prevent distortion during floor laying
- 3 - Flush box for fan power supply.
Fan control module (only for the F4V version)
- 4 - Cover sheet to hide valves and connections.
- 5 - Heat exchanger (copper pipes, aluminum fins, coated with black varnish).

- 6 - Duct (double-side galvanized, and varnished).
- 7 - Air vent.
- 8 - Surface mounting brackets.
- 9 - Knock-outs for pipe connections.

(heating and cooling) - height 170 mm

Note: do not use the linear grilles with the F4C convectors!

DESCRIPTION - EXAMPLE : **AQUILO F4C 34 120 17 11**



name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____



Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	75/65/20 55/45/20	524 299	932 531	1165 664	21	26	32	1	20
1200	75/65/20 55/45/20	1049 598	1865 1063	2331 1329	22	28	34		
1600	75/65/20 55/45/20	1558 888	2770 1579	3462 1973	23	30	36		
2100	75/65/20 55/45/20	2221 1266	3949 2251	4936 2814	25	33	39	2	40
2400	75/65/20 55/45/20	2715 1548	4826 2751	6033 3439	26	35	41		
2700	75/65/20 55/45/20	3255 1855	5786 3298	7233 4123	27	36	42		

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 24V DC.

Cooling mode

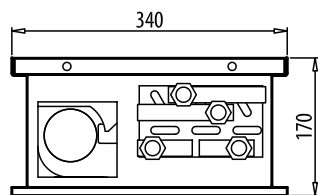
Lc overall length [mm]	Cooling output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	8/14/28	198	352	440	21	26	32	1	20
1200	8/14/28	396	705	881	22	28	34		
1600	8/14/28	589	1046	1308	23	30	36		
2100	8/14/28	839	1492	1865	25	33	39	2	40
2400	8/14/28	1026	1823	2279	26	35	41		
2700	8/14/28	1230	2186	2733	27	36	42		

Cooling output [W] in accordance with EN 16430 at 8/14/28 °C.

The fan is powered by 24V DC.

All Aquilo convectors available on request.

(heating and cooling) - height 170 mm



Note: do not use the linear grilles with the F4V convectors!

DESCRIPTION - EXAMPLE : **AQUILO F4V 34 120 17 11**

name _____
width [cm] _____
length [cm] _____
height [cm] _____
duct design _____

Lc overall length [mm]	Heat output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	75/65/20 55/45/20	637 363	1132 645	1415 807	22	30	41	1	38
1200	75/65/20 55/45/20	1274 726	2264 1290	2830 1613	23	31	41		
1600	75/65/20 55/45/20	1892 1078	3363 1917	4204 2396	25	33	42		
2100	75/65/20 55/45/20	2697 1537	4795 2733	5994 3417	25	35	45	2	76
2400	75/65/20 55/45/20	3296 1879	5860 3340	7325 4175	27	35	45		
2700	75/65/20 55/45/20	3952 2253	7026 4005	8782 5006	28	36	46		

Heat output [W] in accordance with EN 16430 at 75/65/20 and 55/45/20 °C.

The fan is powered by 230V AC.

Cooling mode

Lc overall length [mm]	Cooling output $t_s / t_r / t_l$ [°C]	width 340 [mm], fan's speed setting:			sound intensity [dB(A)], fan's speed setting:			number of motors	electric power [W]
		1	2	3	1	2	3		
850	8/14/28	293	522	652	22	30	41	1	38
1200	8/14/28	586	1042	1303	23	31	41		
1600	8/14/28	871	1549	1936	25	33	42		
2100	8/14/28	1242	2208	2760	25	35	45	2	76
2400	8/14/28	1518	2699	3374	27	35	45		
2700	8/14/28	1820	3236	4045	28	36	46		

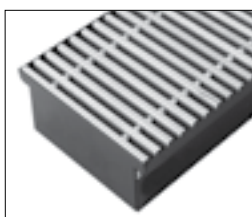
Cooling output [W] in accordance with EN 16430 at 8/14/28 °C.

The fan is powered by 230V AC.

All Aquilo convectors available on request.

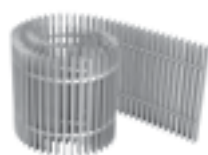
Decorative grilles

description



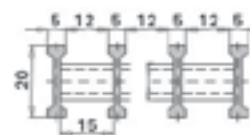
wooden, transverse

- Beech or oak.
- Natural, oiled or varnished
- Roll-up transverse grille with oak or beech cross members
- The wooden grille is supplied, as standard, in the standard PMO version, i.e. with no finishing frame
- Free air flow: 58%



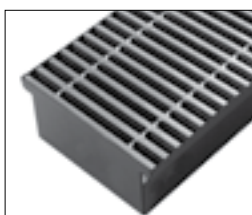
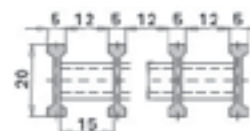
Duralumin, transverse

- Roll-up transverse grille with oxidized Duralumin cross members
- Available colours: natural, light brown, dark brown or black
- The grille is supplied, as standard, in the standard PMO version, i.e. with no finishing frame
- Free air flow: 71%



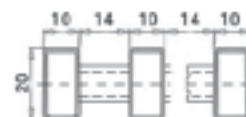
Duralumin, linear

- Linear grille with oxidized Duralumin cross members
- Available colours: natural, light brown, dark brown or black
- The grille is supplied, as standard, in the standard PMO version, i.e. with no finishing frame
- Free air flow: 71%



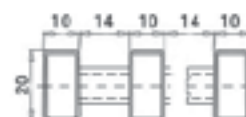
stainless steel, transverse

- Roll-up transverse grille with stainless steel cross members
- Steel variety: 14301
- The grille is supplied, as standard, in the standard PMO version, i.e. with no finishing frame
- Free air flow: 58%



stainless steel, linear

- Linear grille with stainless steel cross members
- Steel variety: 14301
- The grille is supplied, as standard, in the standard PMO version, i.e. with no finishing frame
- Free air flow: 58%



wooden grille



natural beech

beech varnished

natural oak

oak varnished

Duralumin grille



natural

black

dark brown

light brown

steel grille



stainless steel

Note: Linear grilles to be used only with the FMS convectors

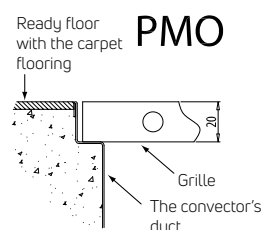
Decorative grilles

decorative grilles

Decorative grilles for the Aquilo trench convectors are available in versions without a decorative finishing frames or with L, U or Z-type frames. Due to different lengths of the grille members in the version with a decorative finishing frame or a no-frame version (for the convectors of the same width), all decorative frames must be ordered at the same times as with the grilles. L, U and Z-type frames are available in Duralumin only and in all colour variants – the same as for Duralumin grilles.

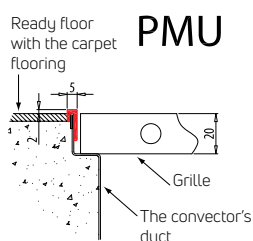
Versions with no decorative frame

The use of decorative grilles without a decorative frame is possible only when the trench convector has been carefully installed, and especially carefully positioned relative to the level of the finished floor. This version assumes a perfect floor finish around the trench convector with a trench of exactly the same width.



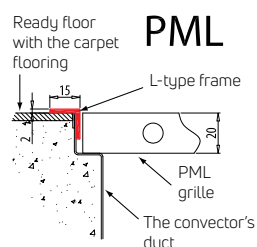
Versions with the U-type decorative frame

The decorative grille with U-type decorative frame frames the trench convector within the surrounding floor. U-type frames cover the edge of the convector's trench. It is recommended for installations when the user wants to emphasise the outline of the duct. U-type frames are delivered with the decorative grille in suitably sized segments to mount on the duct's edges during the installation of the grille. U-type frames should be sealed with silicone.



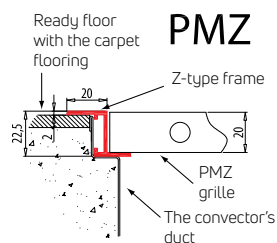
Versions with the L-type decorative frame

The decorative grille with L-type decorative frames frame the trench convector within the surrounding floor. L-type frames cover the contact area between the duct and the floor and is primarily used for installations where the gap between the duct and the surrounding floor is uneven. L-type frames are supplied along with the decorative grille, in adequately trimmed segments to be mounted onto the convector's duct while the grille is being positioned. L-type frames can be easily fixed to the floor with the double-sided self-adhesive tape.



Versions with the Z-type decorative frame

The decorative grille with the Z-type decorative frame optically frames the trench convector within the surrounding floor. The Z-type frame covers the contact area between the duct and the floor, as well as creates the base for positioning the decorative grilles. It is mainly used for places where the convector's duct is set deeper ("sunk") than floor level, as well as in cases where the convector has not been evenly positioned horizontally in the surrounding floor, and finally in places where the gap between the trench convector's duct and the surrounding floor is uneven. The Z-type frame is supplied as a set along with the decorative grille. Floor fixing with the silicone adhesive is recommended.



Decorative grilles

decorative grilles

- L, U and Z-type decorative frames are available in the same colours as the grilles.
- L, U and Z-type frames must be ordered at the same time as the grille!
- The width of the grille without a frame (PMO) differs from the one with an L-type frame (PML), U-type frame (PMU) or Z-type-frame (PMZ), for the same width of the convector. Therefore, the PMO grille is not suitable for the PML, PMU or PMZ set, and – consequently – the PML or PMU grille is not suitable for the PMZ set.
- The width of the grilles are as follows
 - PMO = B - 6 mm;
 - PMU = B - 12 mm;
 - PML = B - 12 mm;
 - PMZ = B - 20 mm;
 - where: B - the total width of the convector.
- Maximum length of the L strip in one section is 280 cm
- Maximum length of the U and Z strips in one section is 350 cm
- Installation with the Z-type frame version requires the duct to be positioned at least 3-5 mm below the surface of the finished floor.
- If, due to the improper mounting or the mechanical damage, the convector's duct is deformed or damaged, the manufacturer will not be held responsible for difficulties positioning the decorative frames or grilles.

The Z-type frame is delivered pre-assembled. It should be fixed with silicone to the finished floor. L-type frames are delivered as individual components, with double-sided self-adhesive tape on the inside. The U-type frame is delivered disassembled. If any change in the shape of the convector's duct occurs, due to incorrect mounting or mechanical damage, the Manufacturer will not bear responsibility for any potential problems with mounting of the frames.

Supports for linear grilles

To preserve the integrity of linear grilles (stability and rigidity), supports are required. They are delivered in quantities suitable for the installation. For transport and installation, the supports are secured with plastic strips which can be cut off after the grille has been successfully fitted.



Note: linear grilles can only be used with FMS convectors

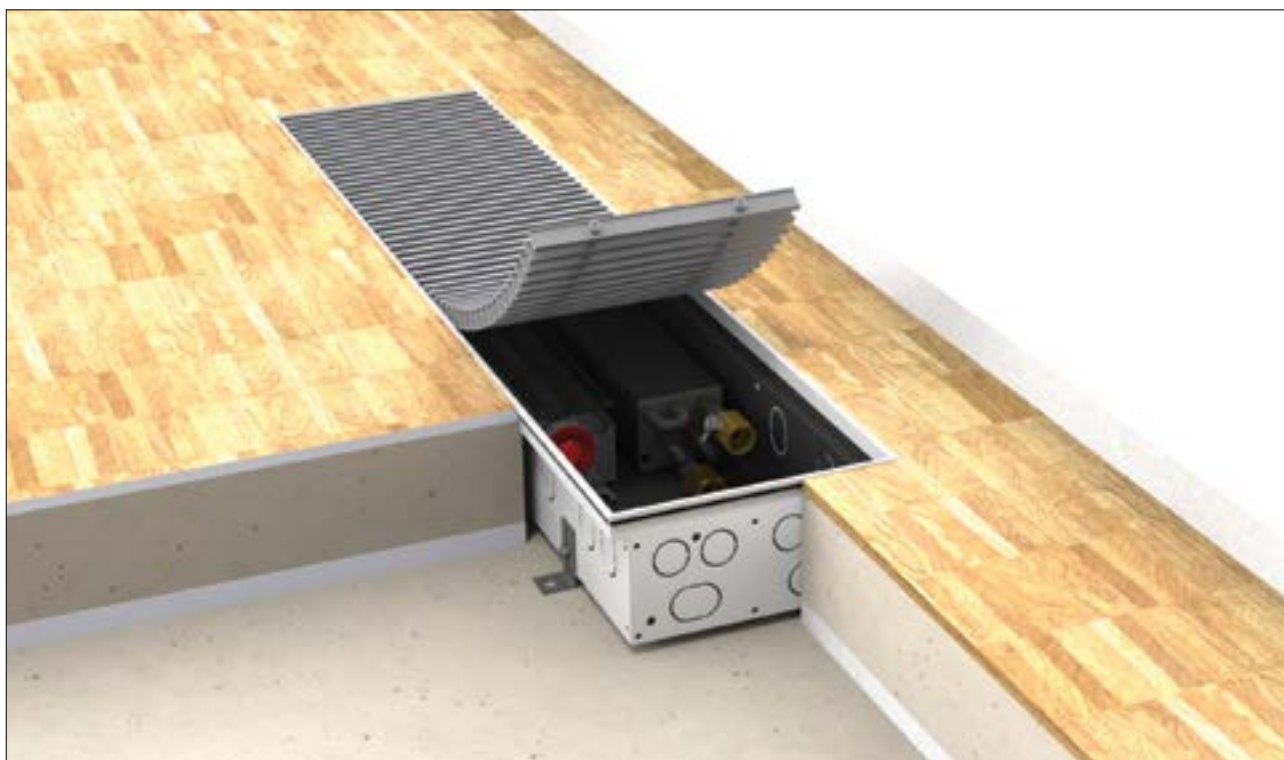


Grilles - weight [kg/m]

Type	PMO							PMU, PML							PMZ						
Width [mm]	170	200	230	250	300	340	420	170	200	230	250	300	340	420	170	200	230	250	300	340	420
Duralumin	1.9	2.2	2.4	2.6	3.0	3.4	4.0	2.6	2.9	3.2	3.3	3.8	4.1	4.8	3.1	3.3	3.6	3.8	4.2	4.6	5.3
Beech, oak	1.5	1.7	1.9	2.0	2.4	2.6	3.2	2.2	2.5	2.7	2.8	3.1	3.4	3.9	2.7	2.9	3.1	3.3	3.6	3.9	4.5
Stainless steel	5.1	5.8	6.6	7.2	8.5	9.5	11.6	5.6	6.4	7.2	7.8	9.1	10.1	12.2	5.9	6.7	7.5	8.0	9.3	10.4	12.5

PMU aluminum grille - examples

an example of the installation of a convector with the PMU aluminum grille

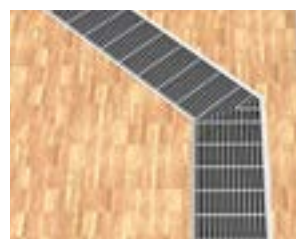


Customized designs

examples of non-standard grilles

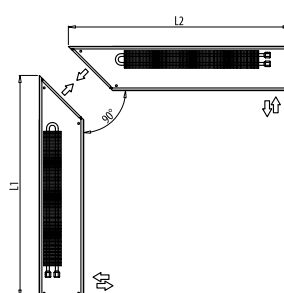
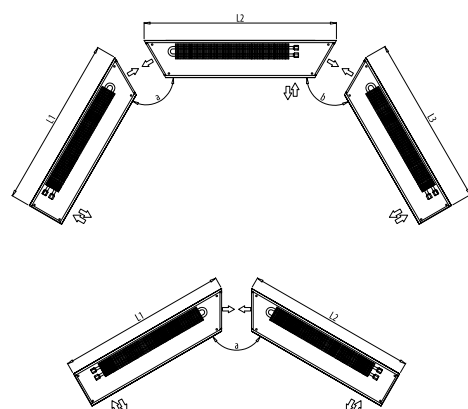


duct on supports



non-standard convectors

Corner type trench convectors are available on request. The duct is manufactured after the design has been accepted by the customer.



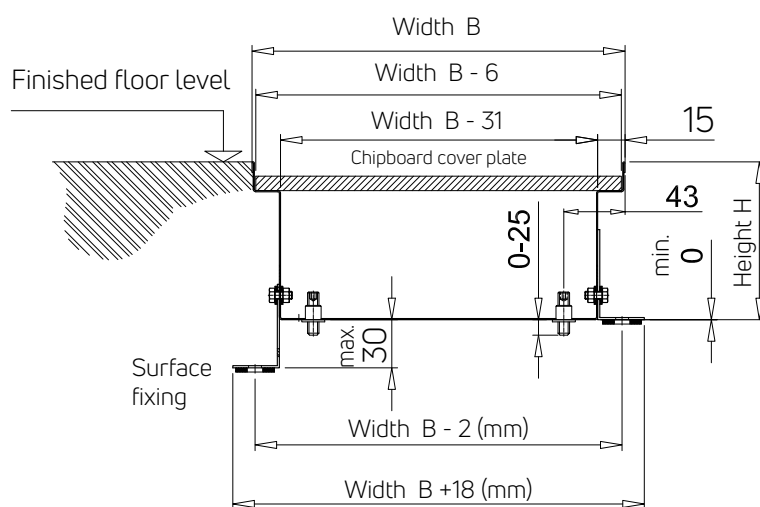
The ducts are connected from the front with 4 x M6 bolts.

Note:
stainless steel grilles are not
available for corner versions

Connections to pipe systems

Installation instructions for the convector duct

1. Prepare a suitable place on the subfloor of the following dimensions:
 - width of the convector duct + min. 80 mm,
 - length of the convector duct + min. 40 mm,
 - depth of the convector duct + $2 \div 25$ mm (as measured from the level of the finished floor).
2. Screw levelling bolts into pre-defined holes on the bottom of the duct, and attach the floor fixing brackets to the outside of the duct (included in the installation kit).
3. Position your trench convector in the previously prepared place in the subfloor. Lay soundproofing insulation (e.g. mineral wool, foamed polystyrene, foam) between the convectors duct and the subfloor.
4. Level and stabilise the convector duct.
5. Connect the supply and return pipe from the heating system according to the system design. For models with fans (F1S,...), connect all necessary electric wiring. Cover the hydraulic and electric connectors with the cover plate included in the installation kit.
6. Pressure test the convector to ensure there are no leaks.
7. Cover the convector duct with the protective chipboard until all construction work has been completed.
8. Fill the gaps between the convector duct and the floor slab with concrete or low expansion foam.
9. Once the the project has been finished remove the chipboard.
10. When the concrete and foam are completely cured, clean the inside of the duct and the convector itself.
11. Unroll the roll-up decorative grille on the convector.



Note: The above diagram does not apply to convectors with width 170mm.

maintenance and cleaning

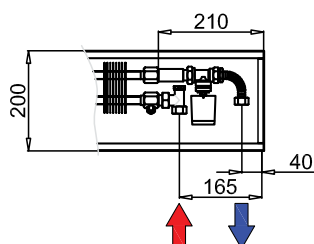
Before the heating season starts:

1. Remove the grille.
2. Clean the heat exchanger (coil) elements with a soft brush.
3. Use a vacuum cleaner to remove dust from the bottom of the casing.
4. Clean any remaining dust with a damp cloth.
5. Put the cover grille back.

Connections to pipe systems

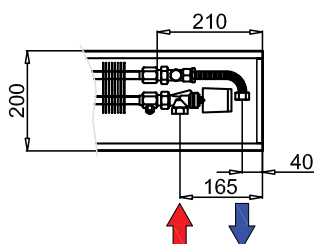
FMS-20

height: 90, 110, 140, 190 mm



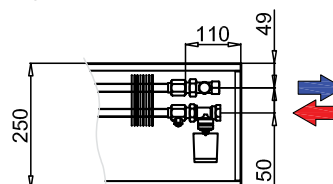
FMS-20

height: 90, 110, 140, 190 mm



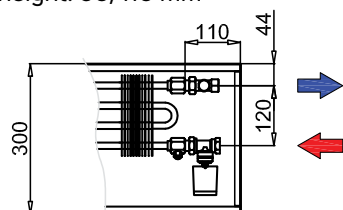
FMS-25

height: 90, 110, 140, 190 mm



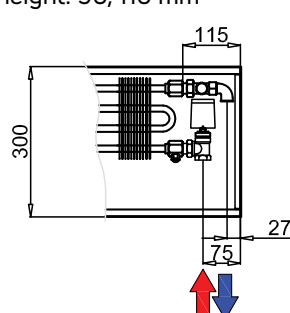
FMS-30

height: 90, 110 mm



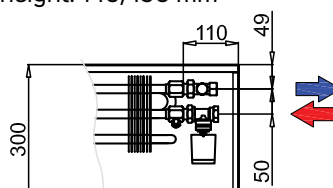
FMS-30

height: 90, 110 mm



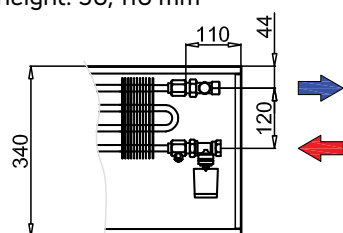
FMS-30

height: 140, 190 mm



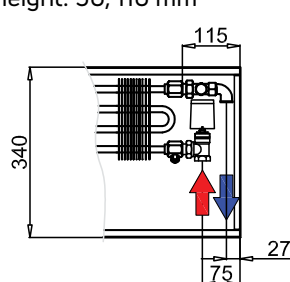
FMS-34

height: 90, 110 mm



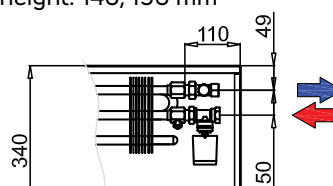
FMS-34

height: 90, 110 mm



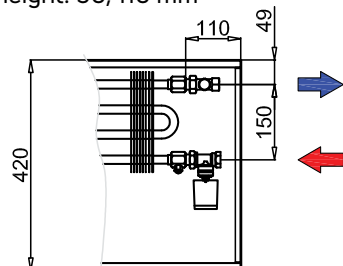
FMS-34

height: 140, 190 mm



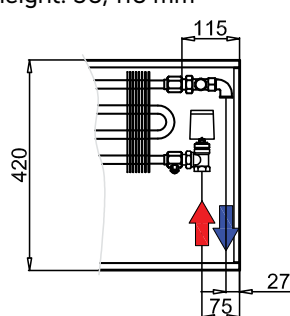
FMS-42

height: 90, 110 mm



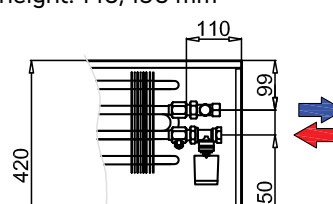
FMS-42

height: 90, 110 mm



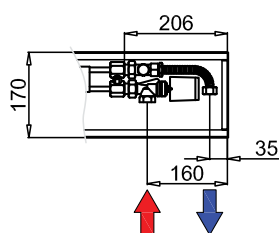
FMS-42

height: 140, 190 mm

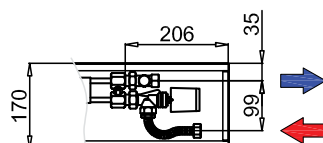


Connections to pipe systems

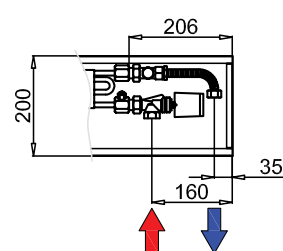
F1S-17
height: 75 mm



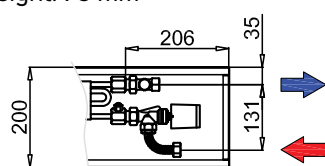
F1S-17
height: 75 mm



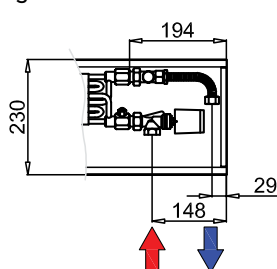
F1S-20
height: 75 mm



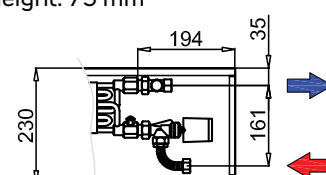
F1S-20
height: 75 mm



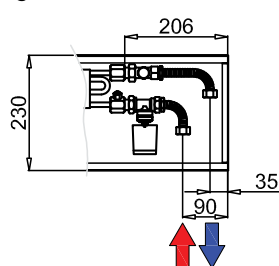
F1S-23
height: 75 mm



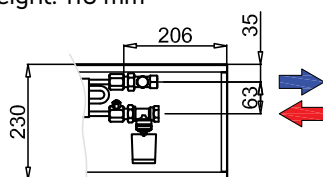
F1S-23
height: 75 mm



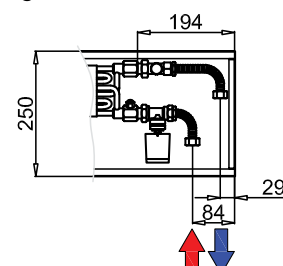
F1S-23
height: 110 mm



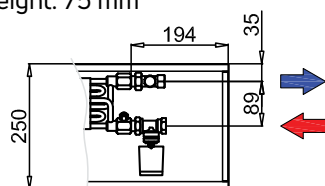
F1S-23
height: 110 mm



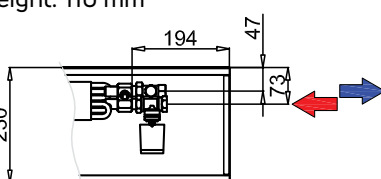
F1S-25
height: 75 mm



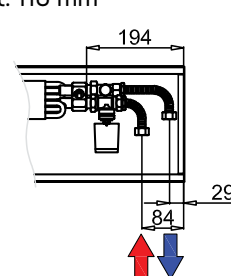
F1S-25
height: 75 mm



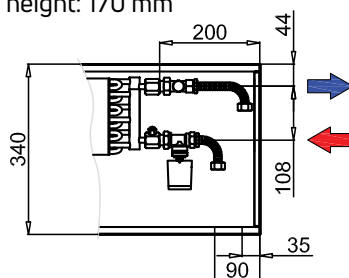
F2C-23
height: 110 mm



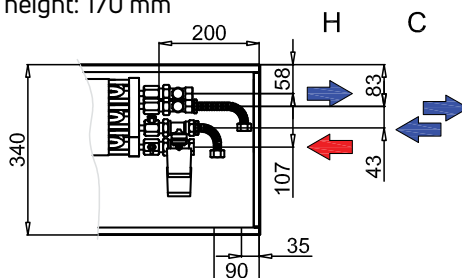
F2C-23
height: 110 mm



F2C-34 / F2V-34
height: 170 mm



F4C-34 / F4V-34
height: 170 mm



Electrical installation

note

The electrical installation of Aquilo trench convectors should be carried out by a qualified electrician in accordance with current, relevant standards and regulations. The unit should only be connected to the main electricity supply once all connections have been properly checked.

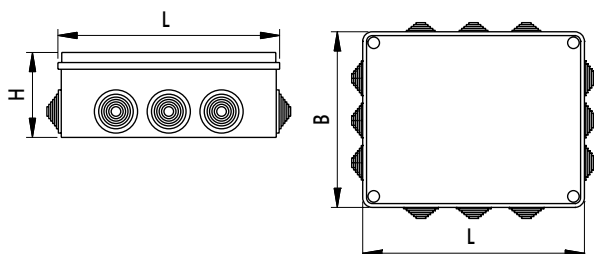
electrical connections for trench convectors Aquilo F1S, F2C/F2V and F4C/F4V

The transformer electrical circuit should be equipped with a D6A interrupter. The transformer should be connected to the electrical supply with 3x1.5 mm² cable (e.g. YDY or YKY type). The RAS transformer connection to the thermostat equipped with a 3-level rotary switch should be made with a 5 x 1.0 mm² cable. The Aquilo convector duct's cables should be connected using the terminals in the electrical installation box (1 or 2, depending on the number of motors).

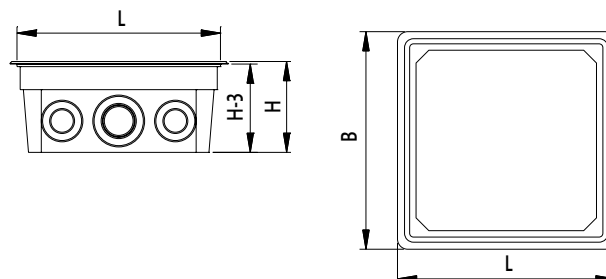
The power supply unit intended for mounting on a DIN rail is installed directly in the electrical switchboard.

RAS transformer - dimensions

version for surface mounting



version for flush mounting



type	length L [mm]	width B [mm]	height H [mm]	weight [kg]
RAS-030-M-01	230	185	90	1.2
RAS-060-M-01	230	185	90	1.3
RAS-100-M-01	230	185	90	1.4

type	length L [mm]	width B [mm]	height H [mm]	weight [kg]
RAS-030-M-02	230	230	84	1.3
RAS-060-M-02	230	230	84	1.4
RAS-100-M-02	230	230	84	1.5

RAS transformers

proper selection of RAS transformers

The Aquilo F1S, F2C and F4C convector fan motors are powered by 24V, and that is why additional RAS transformers are required together with a wall-mounted regulating device connected to a 3-speed fan control.

RAS transformers (depending on type) can control only the specified limited number of fans motors and cannot control more than they are designed for.

A RAS-xxx-M-0x transformer in surface-mounted, flush-mounted, and DIN rail-mounted versions*

type	power [W]	max. number of connected motors			recommended cable for the convector's connection
		F1S (08)	F1S (11), F2C (11)	F2C (17), F4C	
RAS-030-M-0x	30	3	2	1	3 x 1.5 mm ²
RAS-060-M-0x	60	7	4	3	
RAS-100-M-0x	100	12	6	5	
RAS-120-M-0x	120	15	7	6	
RAS-240-M-0x	240	30	15	12	

* RAS-120-M-0x and RAS-240-M-0x are only available as DIN rail-mounted versions.

RMS control module for the F2V and F4V convectors

type	length L [mm]	width B [mm]	height H [mm]	weight [kg]	power [W]	recommended cable for the RMS module connection
RMS-010-M-01	230	185	90	1.1	10	3 x 1.5 mm ²
RMS-010-M-02	230	230	84	1.2	10	
RMS-010-M-03	100	90	65	1.0	10	

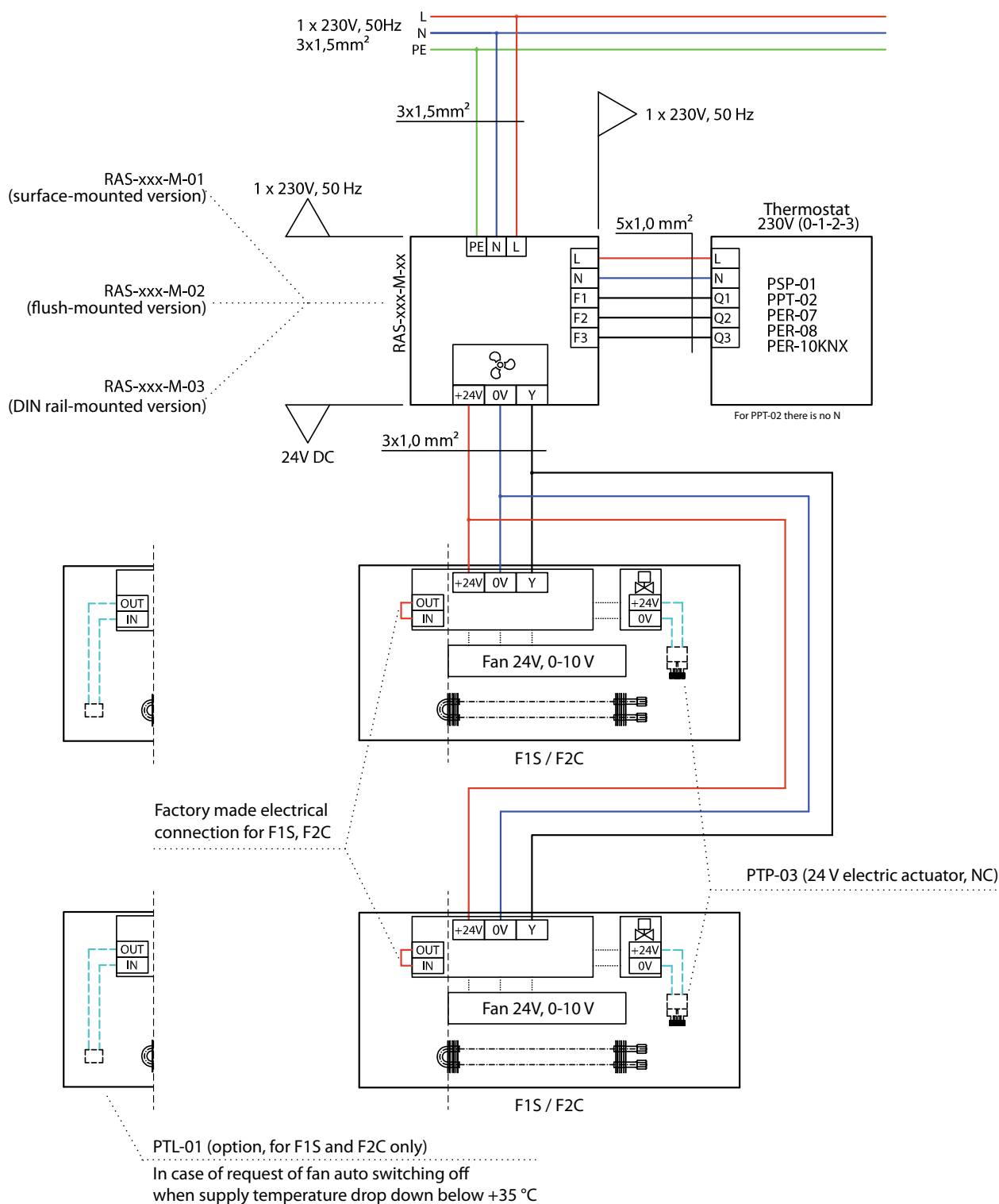
trench convectors' heat output regulation (Aquilo F1S, F2C/F2V and F4C/F4V)

Heat output can be controlled either by controlling water temperature or air temperature (fan versions only). Water temperature control is made using a thermostatic valve and head, and optionally via an actuator-supported thermostatic valve.

Heat output control using air temperature (Aquilo F1S, F2C/F2V and F4C/F4V convectors) is made by controlling fan speed. Fan operation can be controlled manually by the user or automatically with a thermostatic control.

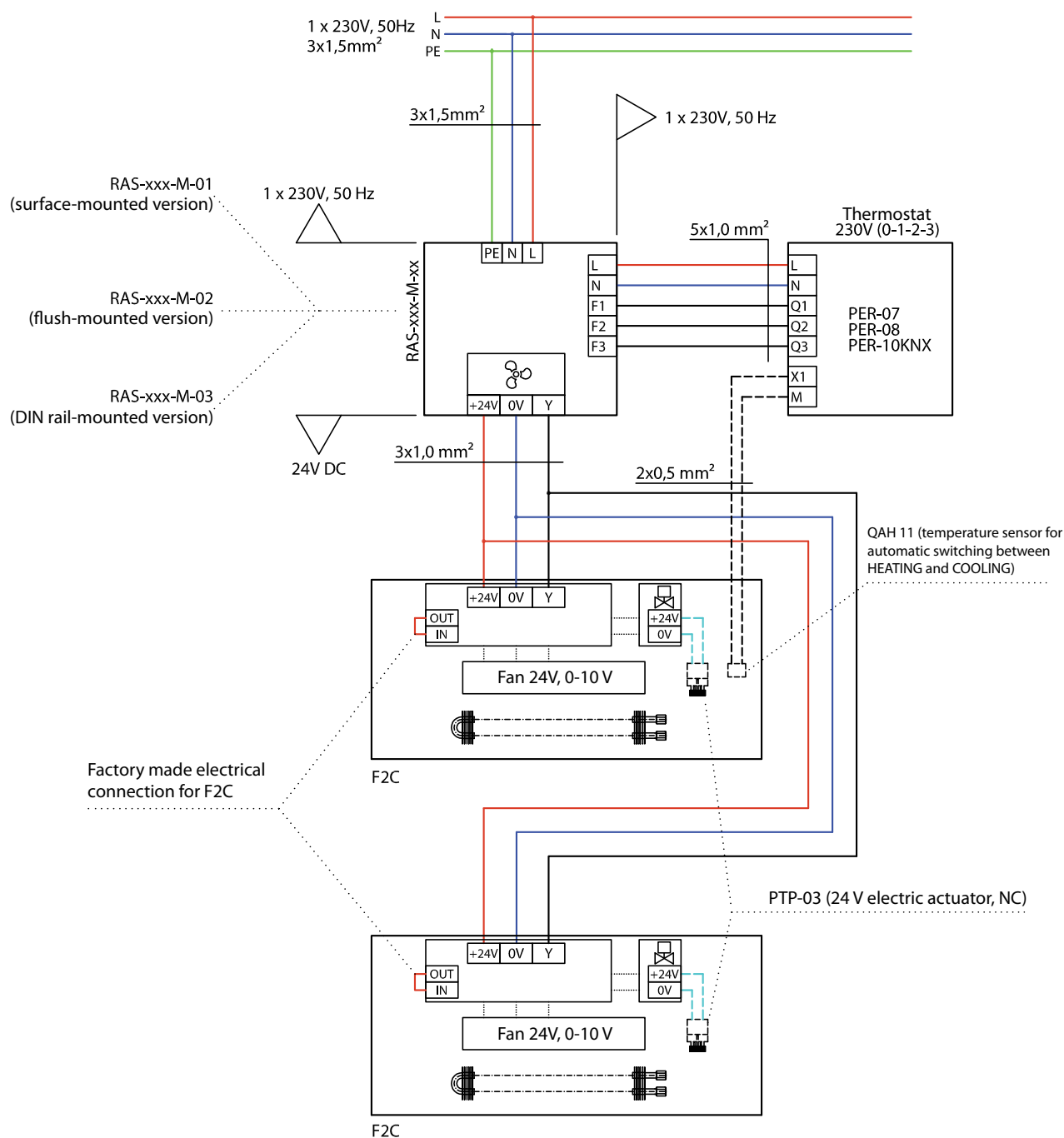
Wiring diagrams (examples)

Aquila F1S and F2C (only heating mode) convectors with room thermostat, RAS transformer



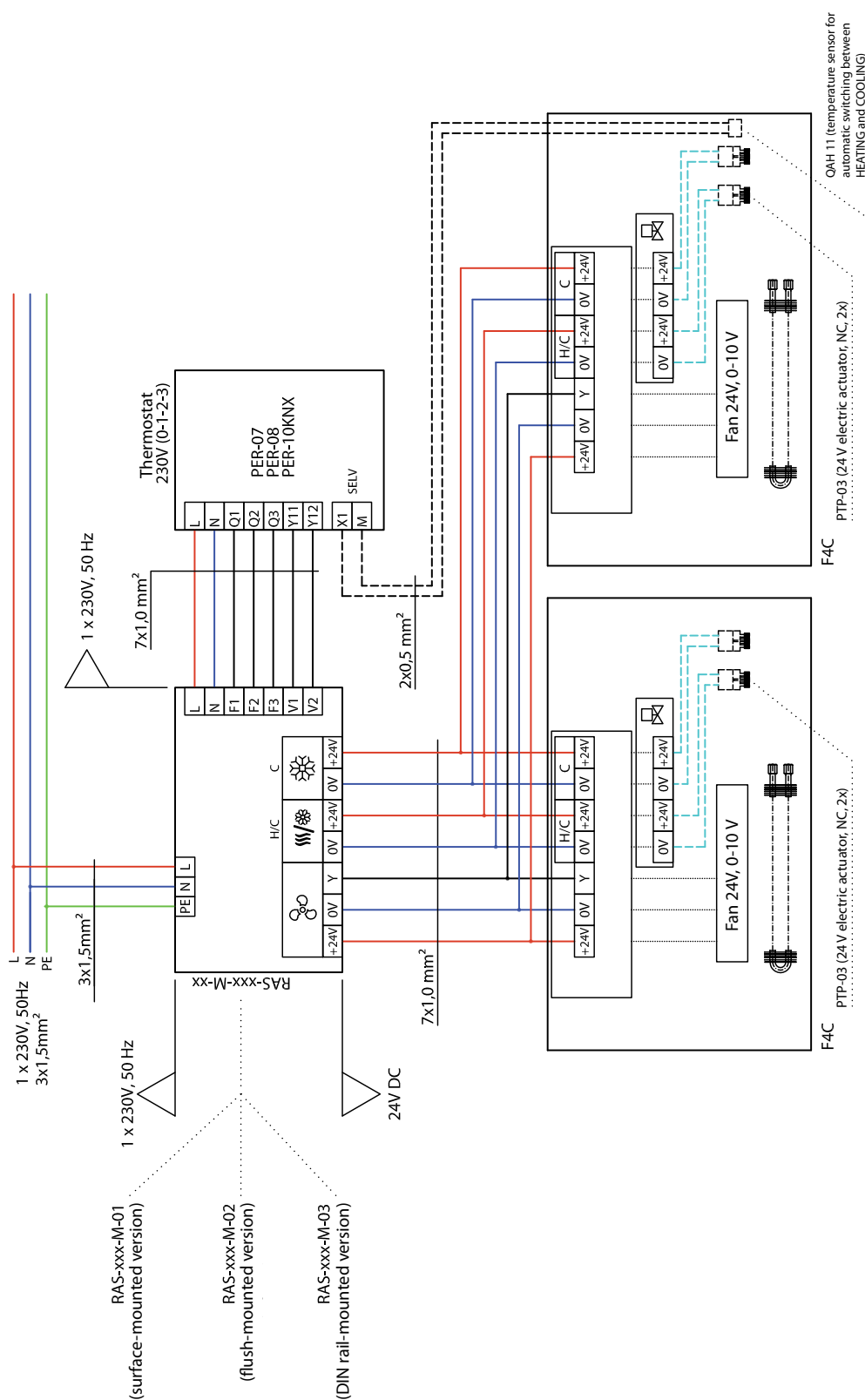
Wiring diagrams (examples)

Aquila F2C convector (heating or cooling mode) with room thermostat, RAS transformer, and QAH11 sensor



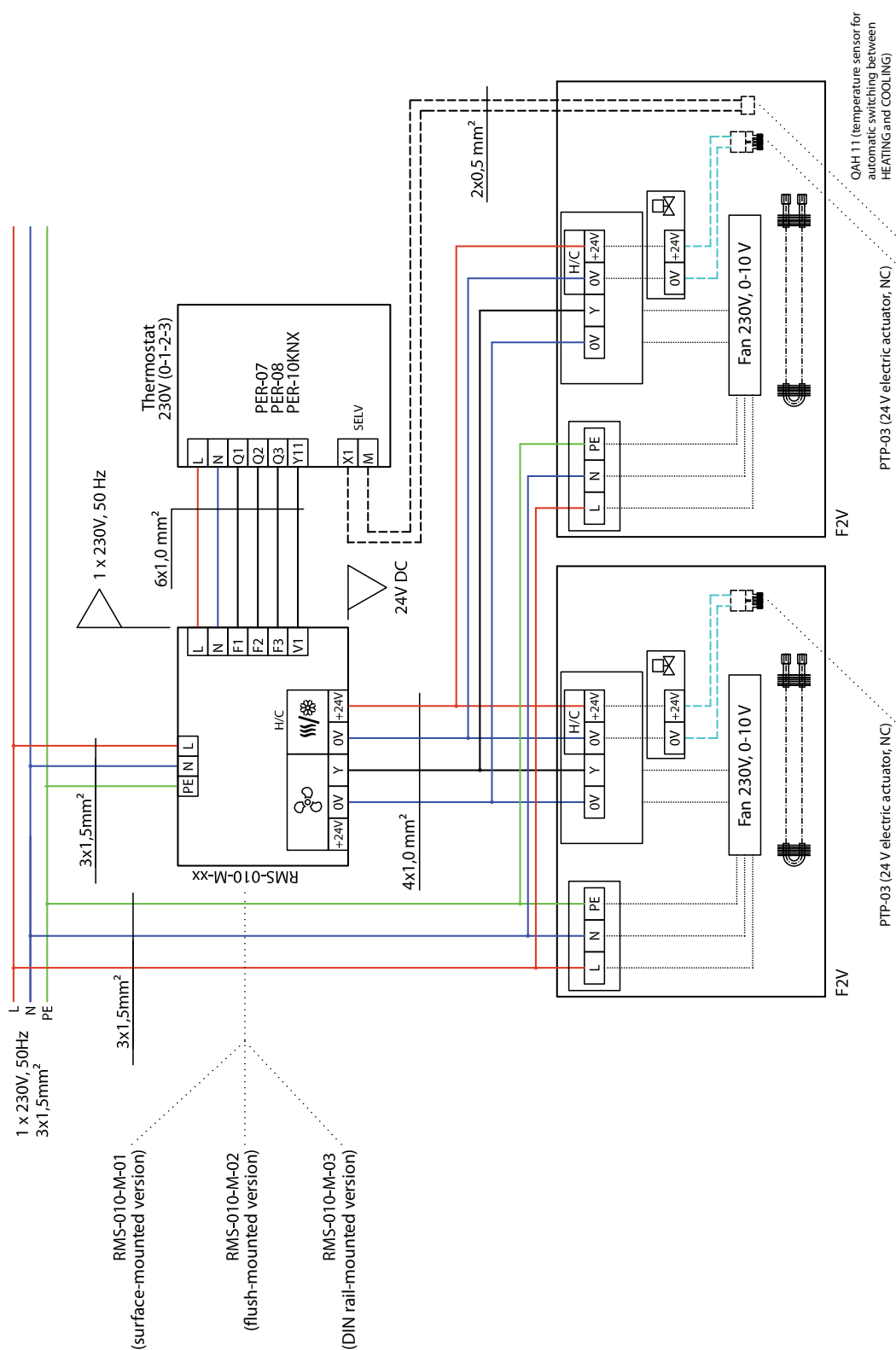
Wiring diagrams (examples)

Aquila F4C convector with room thermostat, RAS transformer, and QAH11 sensor



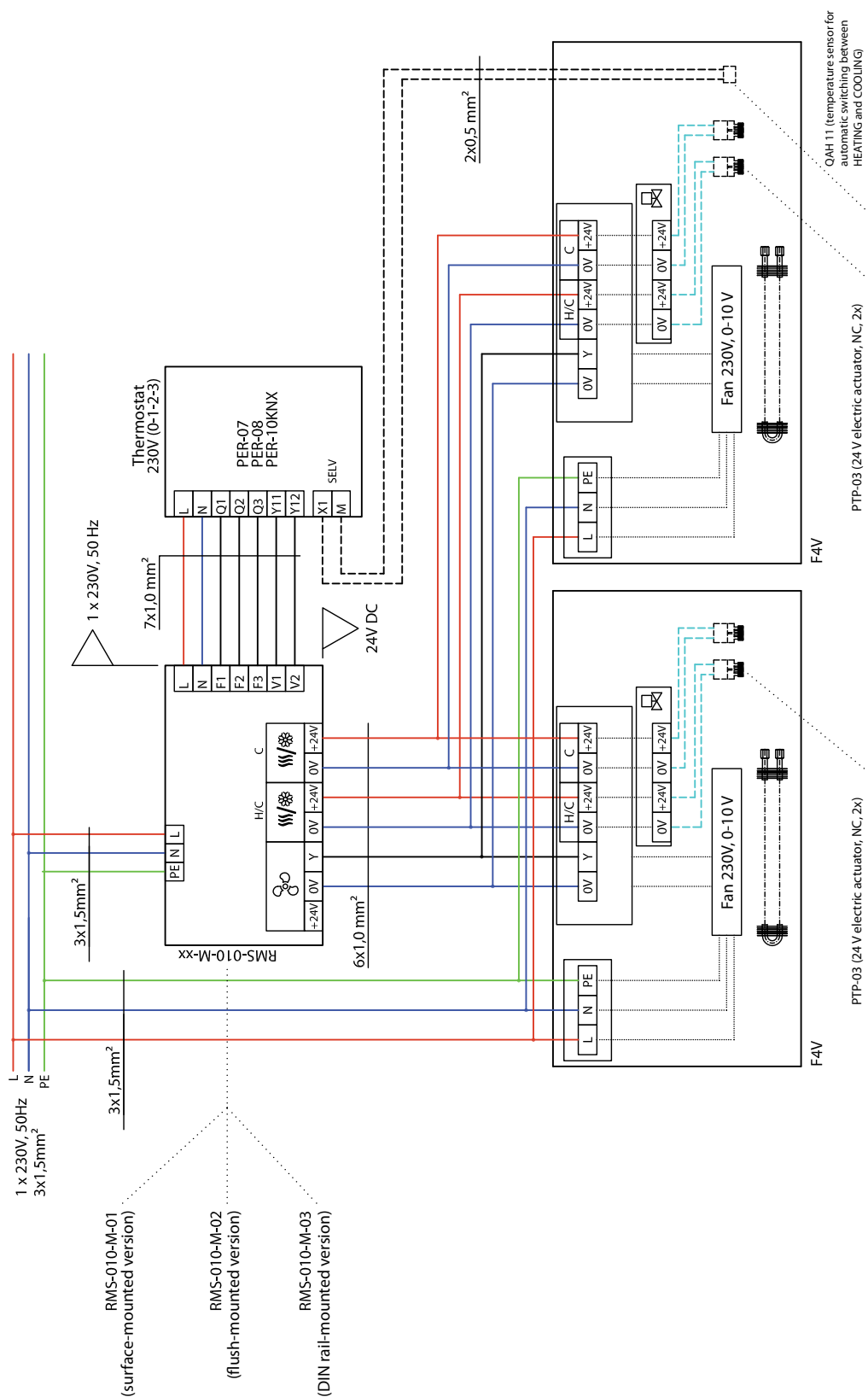
Wiring diagrams (examples)

Aquila F2V convector with room thermostat, RMS control module, and QAH11 sensor



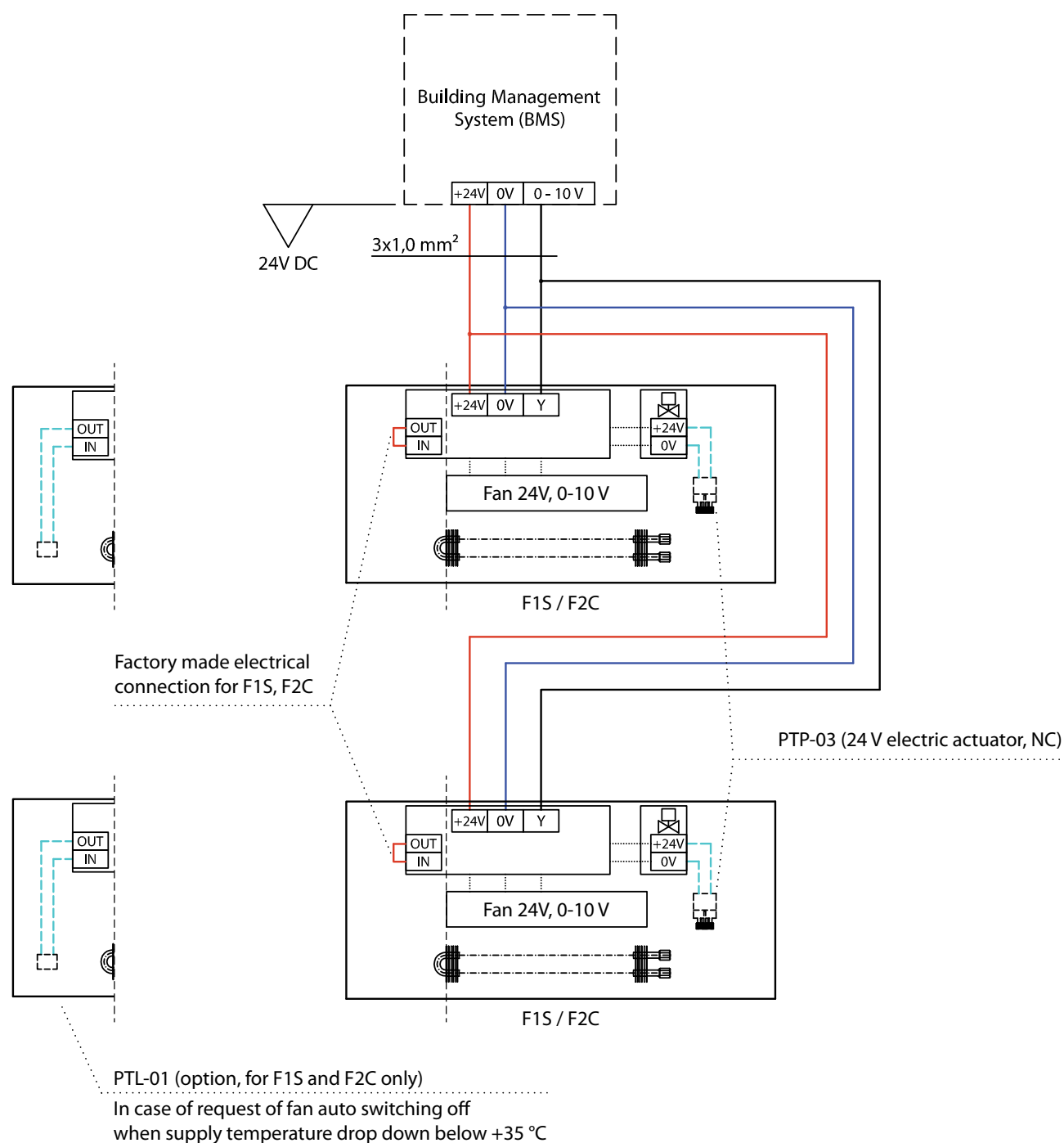
Wiring diagrams (examples)

Aquila F4V convector with room thermostat, RMS control module, and QAH11 sensor

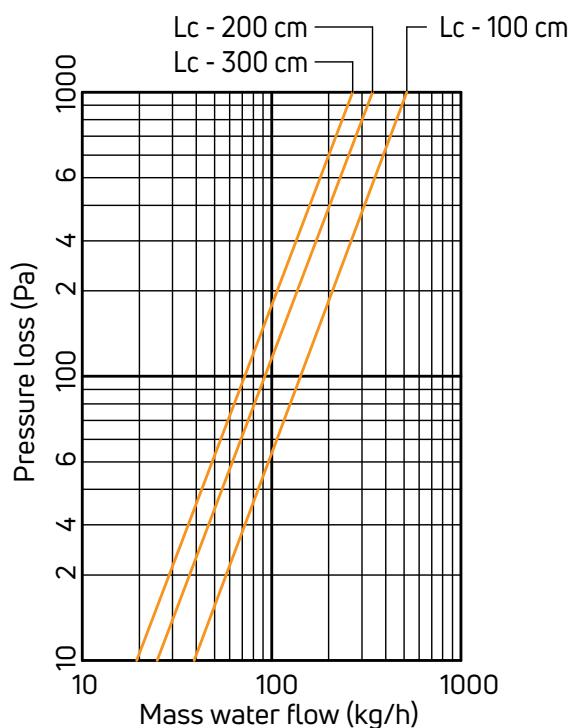


Wiring diagrams (examples)

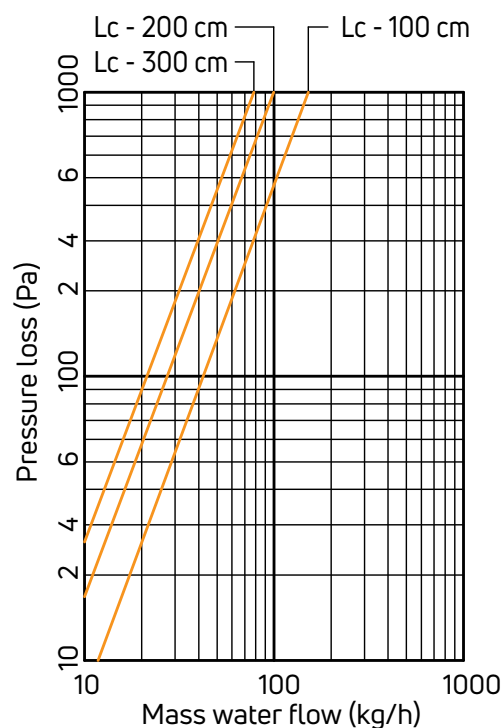
Aquilo F1S and F2C (only in heating mode) convectors controlled by BMS



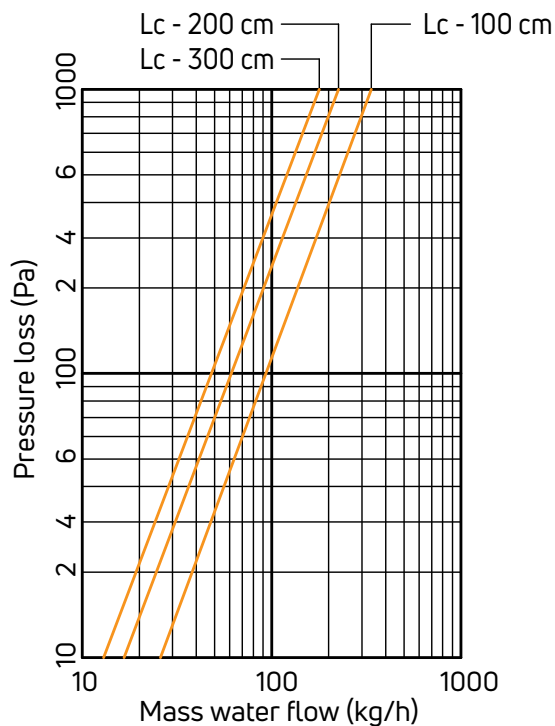
Hydraulic characteristics



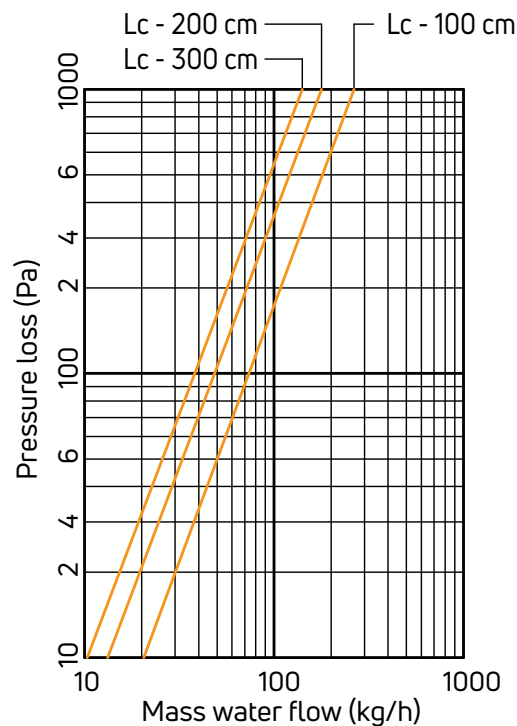
- 1 FMS-20-LLL-09, FMS-20-LLL-11
- 2 FMS-25-LLL-09, FMS-25-LLL-11



- 1 FMS-30-LLL-09, FMS-30-LLL-11
- 2 FMS-34-LLL-09, FMS-34-LLL-11

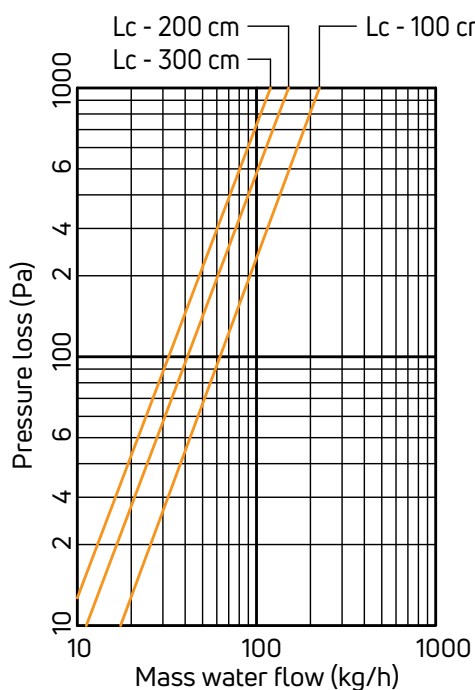


- 1 FMS-42-LLL-09, FMS-42-LLL-11
- 2 FMS-20-LLL-14, FMS-20-LLL-19
- 3 FMS-25-LLL-14, FMS-25-LLL-19

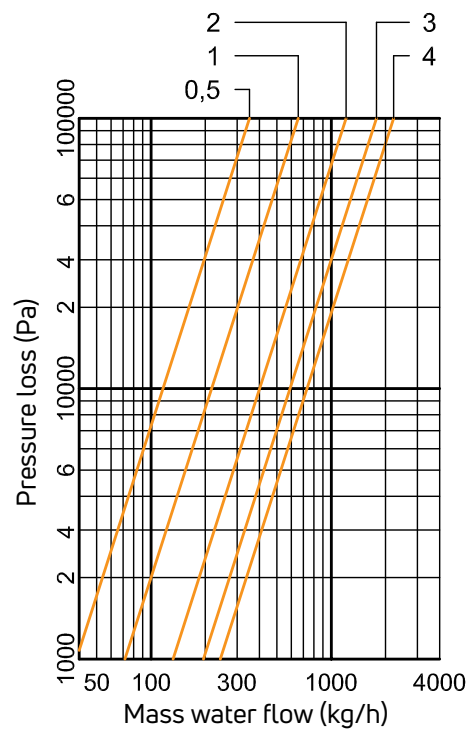


- 1 FMS-34-LLL-14, FMS-34-LLL-19

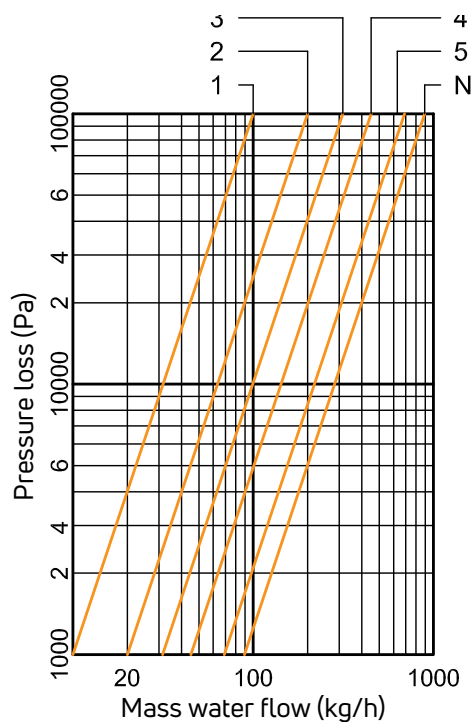
Hydraulic characteristics



1 FMS-42-LLL-14, FMS-42-LLL-19

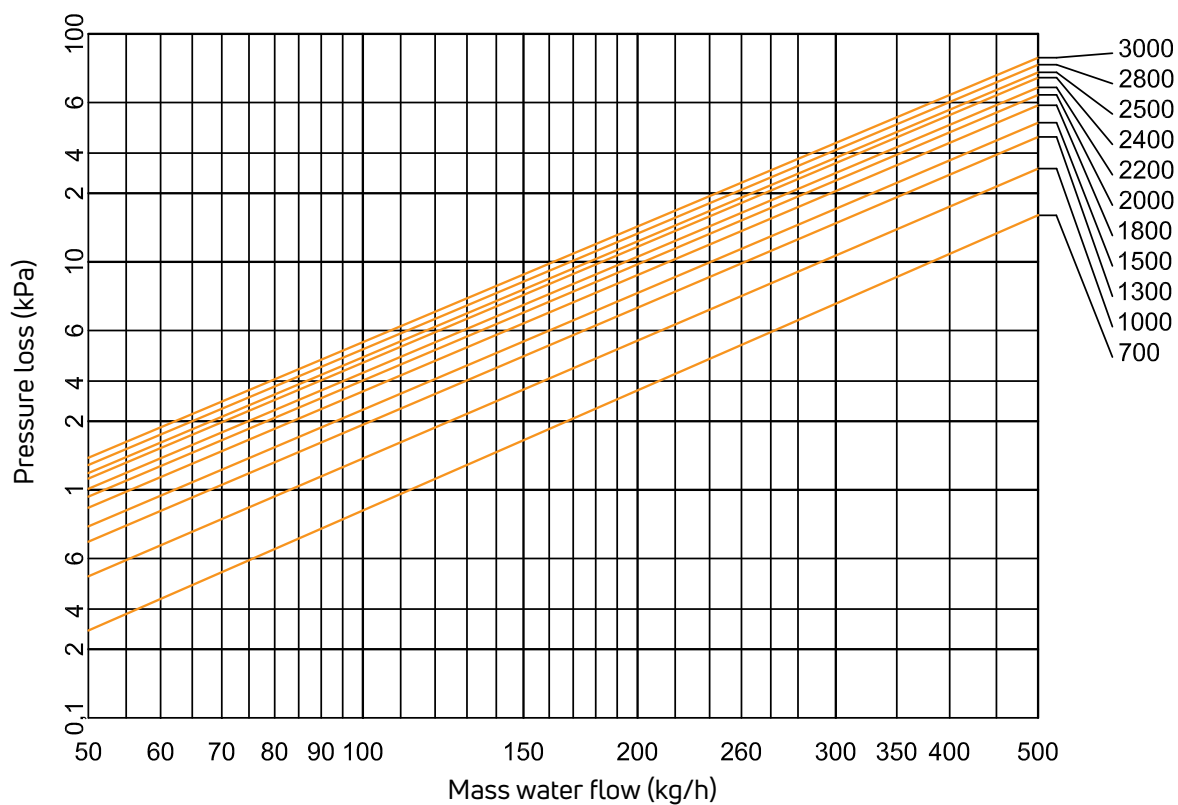
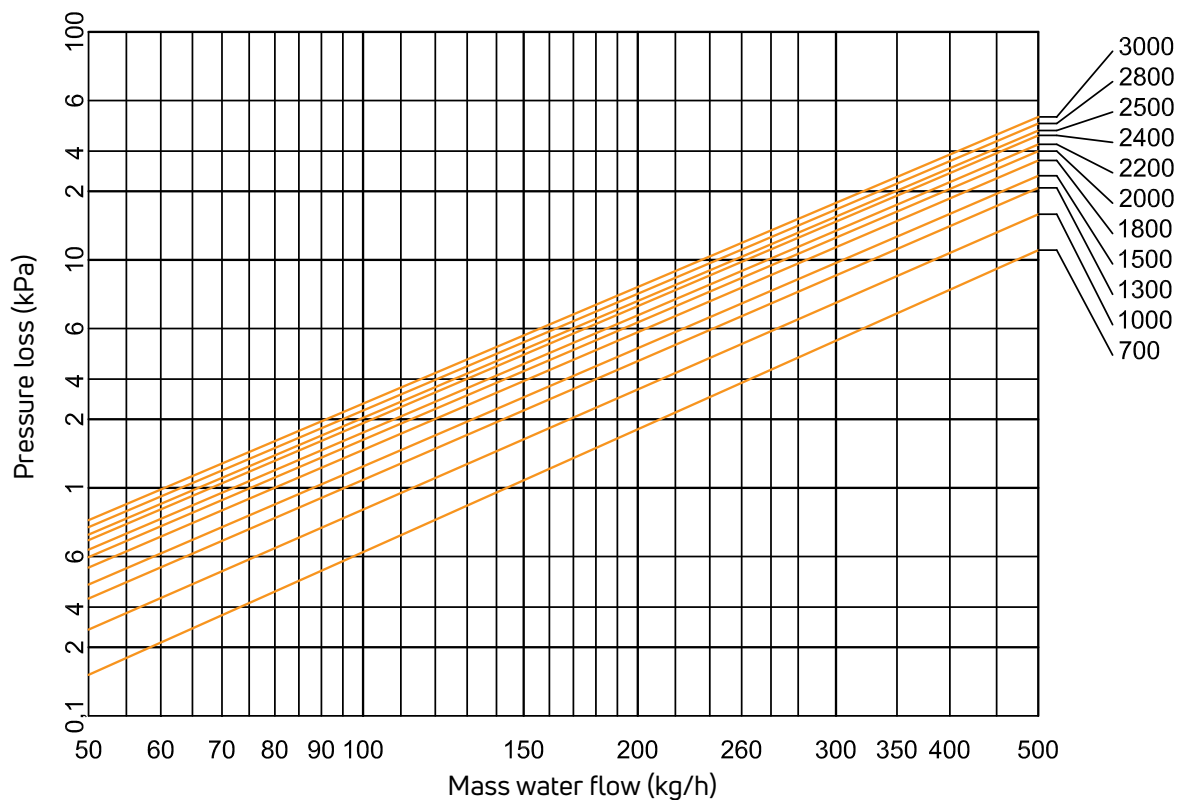


1 PRS-01, PRS-02

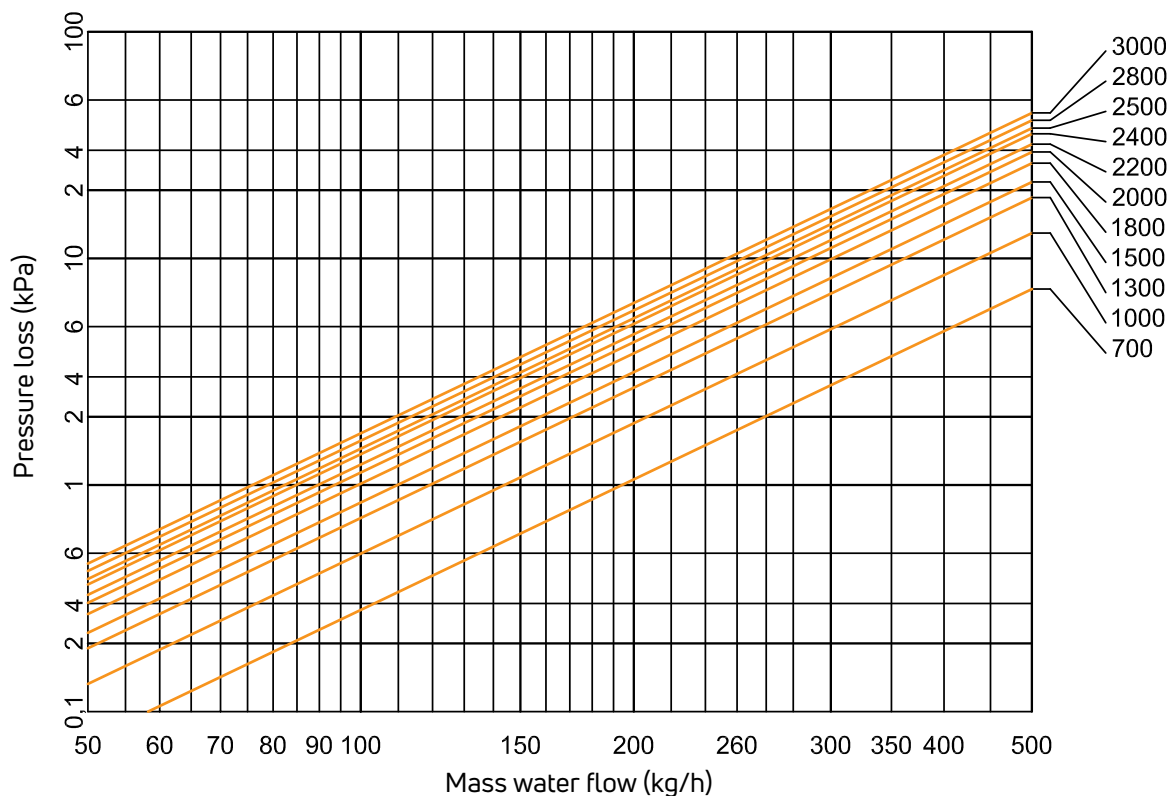


1 PTV-01, PTV-02

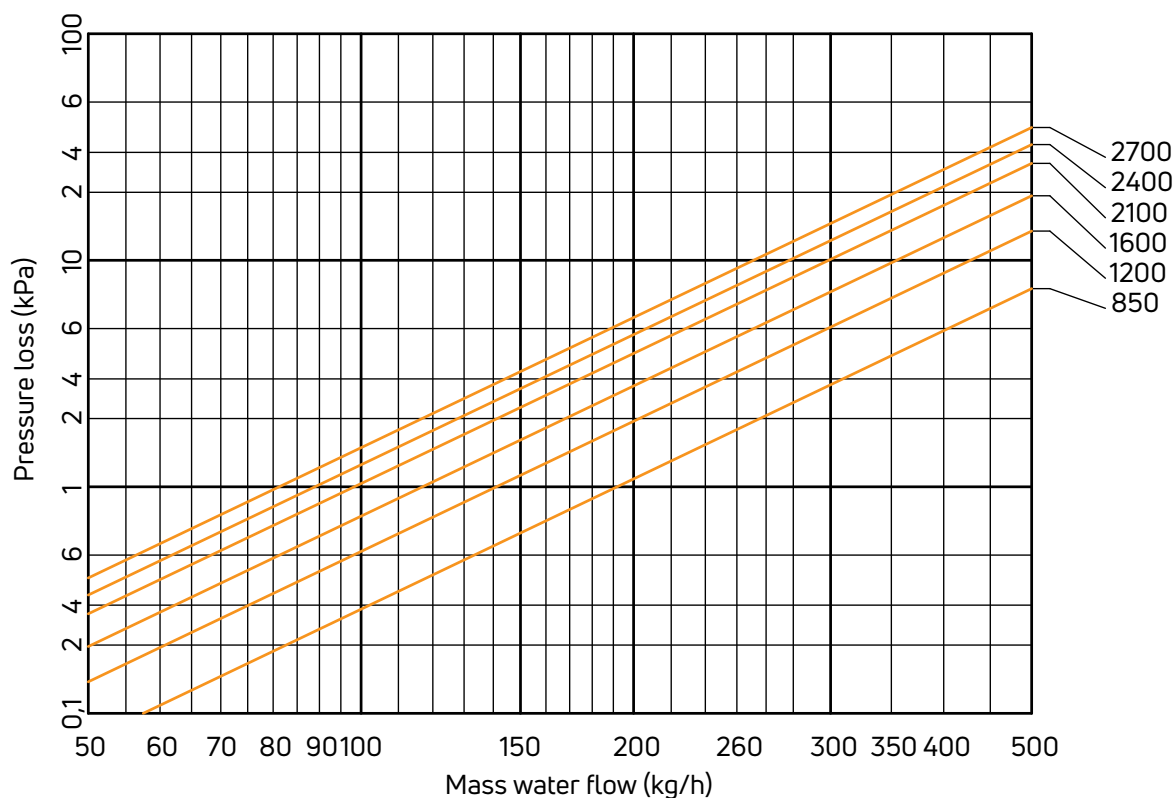
Hydraulic characteristics



Hydraulic characteristics

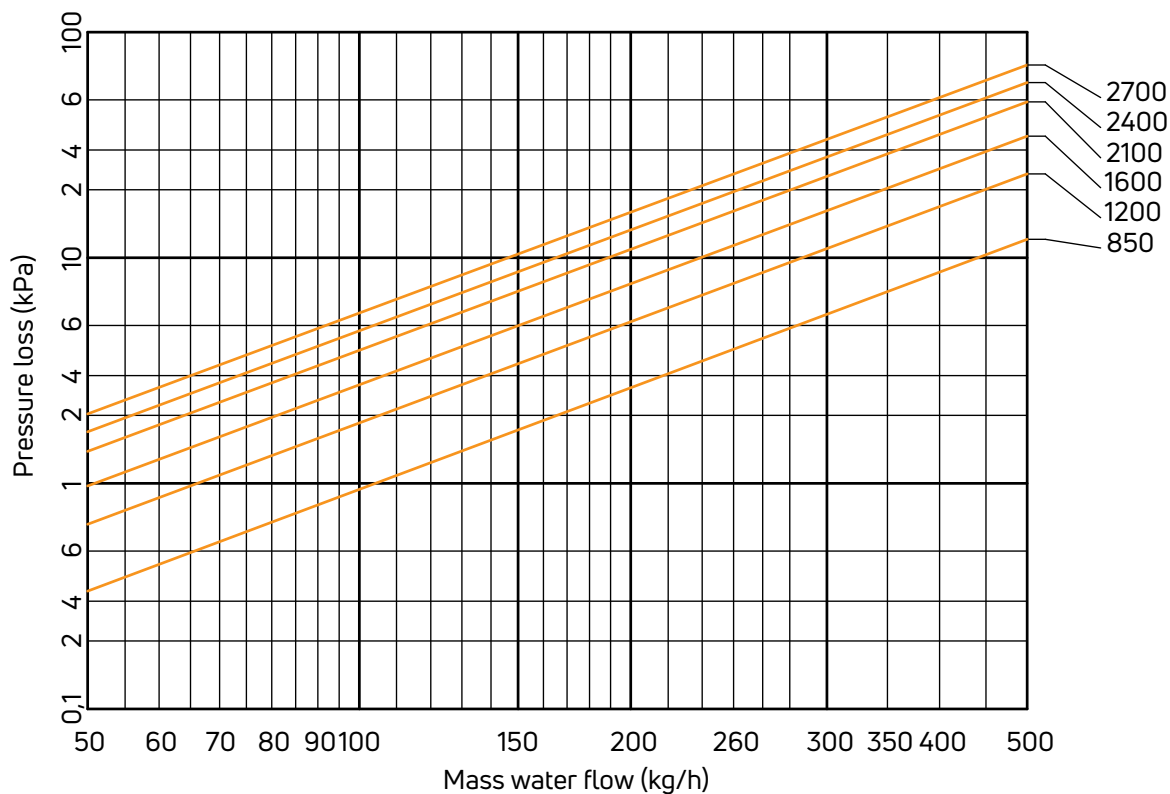


- 1 FIS-23-LLL-08
- 2 FIS-25-LLL-11

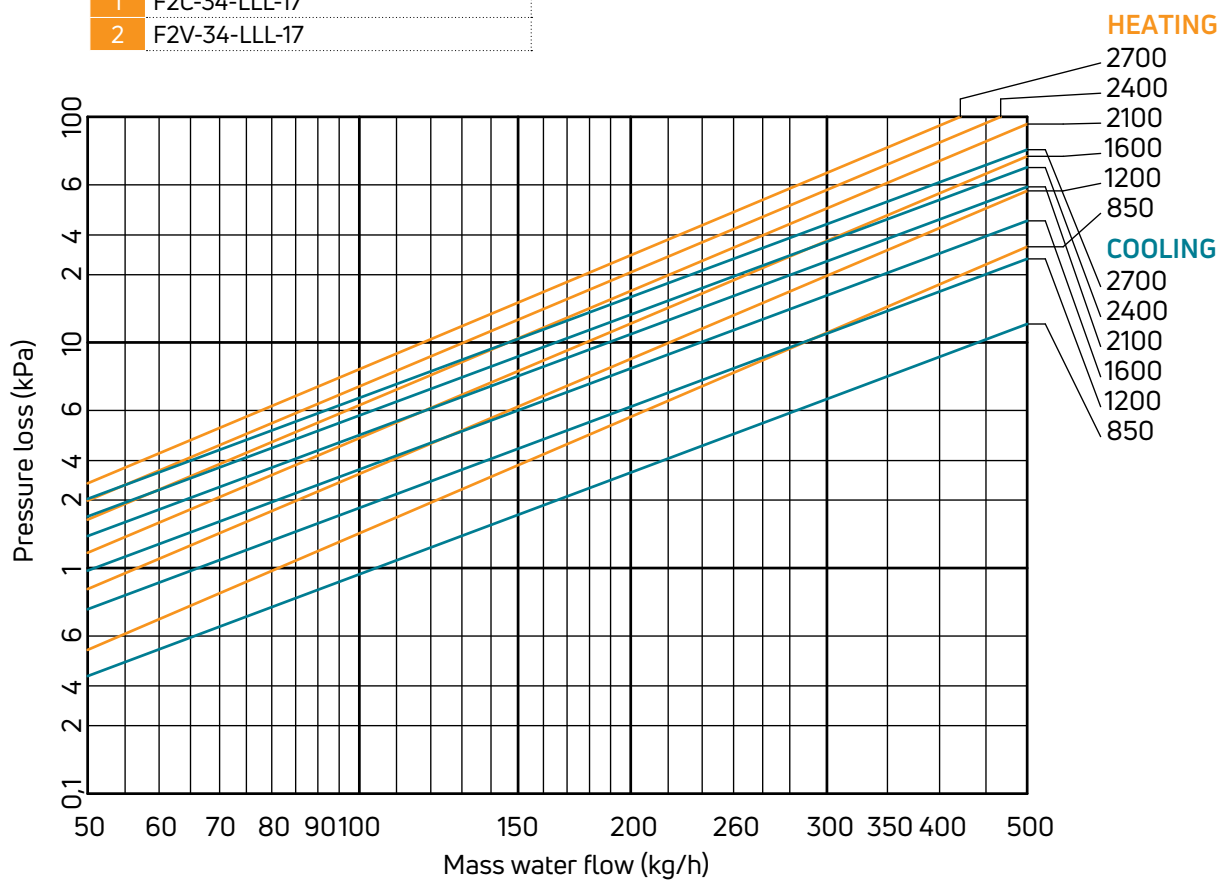


- 1 F2C-23-LLL-11

Hydraulic characteristics



- 1 F2C-34-LLL-17
- 2 F2V-34-LLL-17



- 1 F4C-34-LLL-17
- 2 F4V-34-LLL-17

Conversion table

supply water tem- perature [°C]	air tem- perature [°C]	Aquila FMS trench convector n = 1.4													return water temperature [°C]			
		35	40	45	50	55	60	65	70	75	80	85						
90	15	0.78	0.88	0.98	1.08	1.17	1.26	1.35	1.43	1.52	1.61	1.69		0.52	0.46	15	45	
	20	0.63	0.73	0.83	0.93	1.02	1.11	1.19	1.28	1.36	1.45	1.53		0.42	0.36	20		
	24	0.51	0.62	0.72	0.81	0.90	0.99	1.08	1.16	1.24	1.32	1.40		0.33	0.28	24		
85	15	0.73	0.83	0.93	1.02	1.11	1.19	1.28	1.36	1.45	1.53		0.62	0.57	0.51	15	50	
	20	0.59	0.69	0.78	0.87	0.96	1.05	1.13	1.21	1.29	1.37		0.52	0.46	0.40	20		
	24	0.47	0.58	0.67	0.76	0.85	0.93	1.01	1.09	1.17	1.25		0.44	0.38	0.32	24		
80	15	0.69	0.78	0.87	0.96	1.05	1.13	1.21	1.29	1.37		0.73	0.67	0.61	0.56	15	55	
	20	0.55	0.64	0.73	0.82	0.90	0.99	1.07	1.14	1.22		0.62	0.57	0.51	0.44	20		
	24	0.44	0.54	0.63	0.71	0.79	0.87	0.95	1.03	1.10		0.54	0.48	0.42	0.35	24		
75	15	0.64	0.73	0.82	0.90	0.99	1.07	1.14	1.22		0.84	0.78	0.72	0.66	0.59	15	60	
	20	0.51	0.60	0.69	0.77	0.85	0.92	1.00	1.07		0.73	0.67	0.61	0.55	0.48	20		
	24	0.40	0.50	0.58	0.66	0.74	0.82	0.89	0.96		0.64	0.59	0.53	0.46	0.39	24		
70	15	0.60	0.69	0.77	0.85	0.92	1.00	1.07		0.95	0.89	0.83	0.77	0.70	0.63	15	65	
	20	0.47	0.56	0.64	0.71	0.79	0.86	0.93		0.84	0.78	0.72	0.66	0.59	0.52	20		
	24	0.37	0.46	0.54	0.61	0.68	0.76	0.83		0.75	0.69	0.63	0.57	0.50	0.42	24		
65	15	0.56	0.64	0.71	0.79	0.86	0.93		1.06	1.00	0.94	0.88	0.81	0.74	0.67	15	70	
	20	0.43	0.51	0.59	0.66	0.73	0.80		0.95	0.89	0.83	0.77	0.70	0.63	0.55	20		
	24	0.33	0.41	0.49	0.56	0.63	0.70		0.86	0.80	0.74	0.68	0.61	0.54	0.46	24		
60	15	0.51	0.59	0.66	0.73	0.80		1.17	1.11	1.05	0.99	0.92	0.86	0.78	0.71	15	75	
	20	0.39	0.47	0.54	0.60	0.67		1.06	1.00	0.94	0.88	0.81	0.74	0.67	0.59	20		
	24	0.30	0.37	0.44	0.51	0.57		0.97	0.91	0.85	0.79	0.72	0.65	0.58	0.49	24		
55	15	0.47	0.54	0.60	0.67		1.28	1.22	1.16	1.10	1.04	0.97	0.90	0.83	0.76	15	80	
	20	0.35	0.42	0.49	0.55		1.17	1.11	1.05	0.99	0.92	0.86	0.78	0.71	0.62	20		
	24	0.27	0.33	0.40	0.46		1.08	1.02	0.96	0.90	0.83	0.77	0.69	0.61	0.52	24		
50	15	0.42	0.49	0.55		1.40	1.34	1.28	1.21	1.15	1.08	1.01	0.94	0.87	0.79	15	85	
	20	0.31	0.37	0.43		1.28	1.22	1.16	1.10	1.04	0.97	0.90	0.83	0.75	0.66	20		
	24	0.23	0.29	0.35		1.19	1.13	1.07	1.01	0.95	0.88	0.81	0.73	0.66	0.56	24		
45	15	0.37	0.43		1.51	1.45	1.39	1.33	1.26	1.19	1.13	1.06	0.98	0.91	0.82	15	90	
	20	0.27	0.33		1.40	1.34	1.28	1.21	1.15	1.08	1.01	0.94	0.87	0.78	0.69	20		
	24	0.19	0.25		1.30	1.25	1.19	1.12	1.06	0.99	0.92	0.85	0.77	0.68	0.59	24		
return water temperature [°C]		Aquila F1T, F1P, F2C, F4C trench convectors, fan version n = 1.1													air tem- perature [°C]		supply water tem- perature [°C]	
		85	80	75	70	65	60	55	50	45	40	35						

Example: the FMS-25-100-11 convector, heat output at 75/65/20°C: QN = 266 W, supply temperature: 55°C, return temperature: 45°C, air temperature: 20°C, heat transfer coefficient K1 = 0.49
Calculated heat output: Q = QN x K1 = 266 W x 0.49 = 130 W

Accessories

description		order code																						
	DN15 thermostatic valve – NF shortened version: PN10 / 110 °C Straight version DN15 PTV-01 Angle version DN15 PTV-02	AZA3PTV01 AZA3PTV02																						
	<table><tr><th>Valve setting</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>N</th></tr><tr><td>k_v [m³/h]</td><td>0.10</td><td>0.20</td><td>0.31</td><td>0.45</td><td>0.69</td><td>0.89</td></tr></table>		Valve setting	1	2	3	4	5	N	k_v [m³/h]	0.10	0.20	0.31	0.45	0.69	0.89								
Valve setting	1	2	3	4	5	N																		
k_v [m³/h]	0.10	0.20	0.31	0.45	0.69	0.89																		
	DN15 thermostatic cut-off valve: PN10 / 110 °C Straight version DN15 PRS-01 Angle version DN15 PRS-02	AZA3PRS01 AZA3PRS02																						
	<table><tr><th>Speed no. until total cut-off</th><th>0.25</th><th>0.5</th><th>0.75</th><th>1</th><th>1.5</th><th>2</th><th>2.5</th><th>3</th><th>3.5</th><th>4</th><th>k_{vs}</th></tr><tr><td>k_v [m³/h]</td><td>0.2</td><td>0.4</td><td>0.5</td><td>0.65</td><td>1.0</td><td>1.3</td><td>1.7</td><td>1.9</td><td>2.1</td><td>2.3</td><td>2.5</td></tr></table>		Speed no. until total cut-off	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	k_{vs}	k_v [m³/h]	0.2	0.4	0.5	0.65	1.0	1.3	1.7	1.9	2.1
Speed no. until total cut-off	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	k_{vs}													
k_v [m³/h]	0.2	0.4	0.5	0.65	1.0	1.3	1.7	1.9	2.1	2.3	2.5													
	PTH-01 thermostatic valve with a capillary pipe: Temperature regulation control Capillary pipe's length Anti-freezing protection	AZA3PTH01 8-28 °C 2 m 8 °C																						
	PPT-01 room thermostat: Operating voltage Required temperature setting range Terminal load IP protection rating Colour Width x height x depth Note: the thermostat should be positioned approx. 1.5 m above the floor level, and not exposed to direct sun radiation or other local heat or cold source..	AZA3PPT01 230 V / 50 Hz 8 - 30 °C 0.2-6 (2) A IP 30 white RAL 9010 96.4 x 99.6 x 42.8 mm																						
	PTP-03 actuator for thermostatic valve: Operating voltage Cable length Power load Starting current (transitory) Connecting cable IP protection rating Thread connector	FAW0ANCSCNN54P00 24 V / 50 Hz (no-current shut-off version) 1.0 m 1.0 W 300 mA (24 V / 50 Hz) 2 x 0.75 mm² IP 54 (mounting: vertical) M30 x 1.5																						
	PSP-01 manual 3 speed control switch: Operating voltage Number of speed settings Terminal load IP protection rating Colour Width x height x depth	AZA3PSP01 230 V / 50 Hz off + 3 0.2-6 (2) A IP 30 white RAL 9010 96.4 x 113.1 x 42 mm																						

Accessories

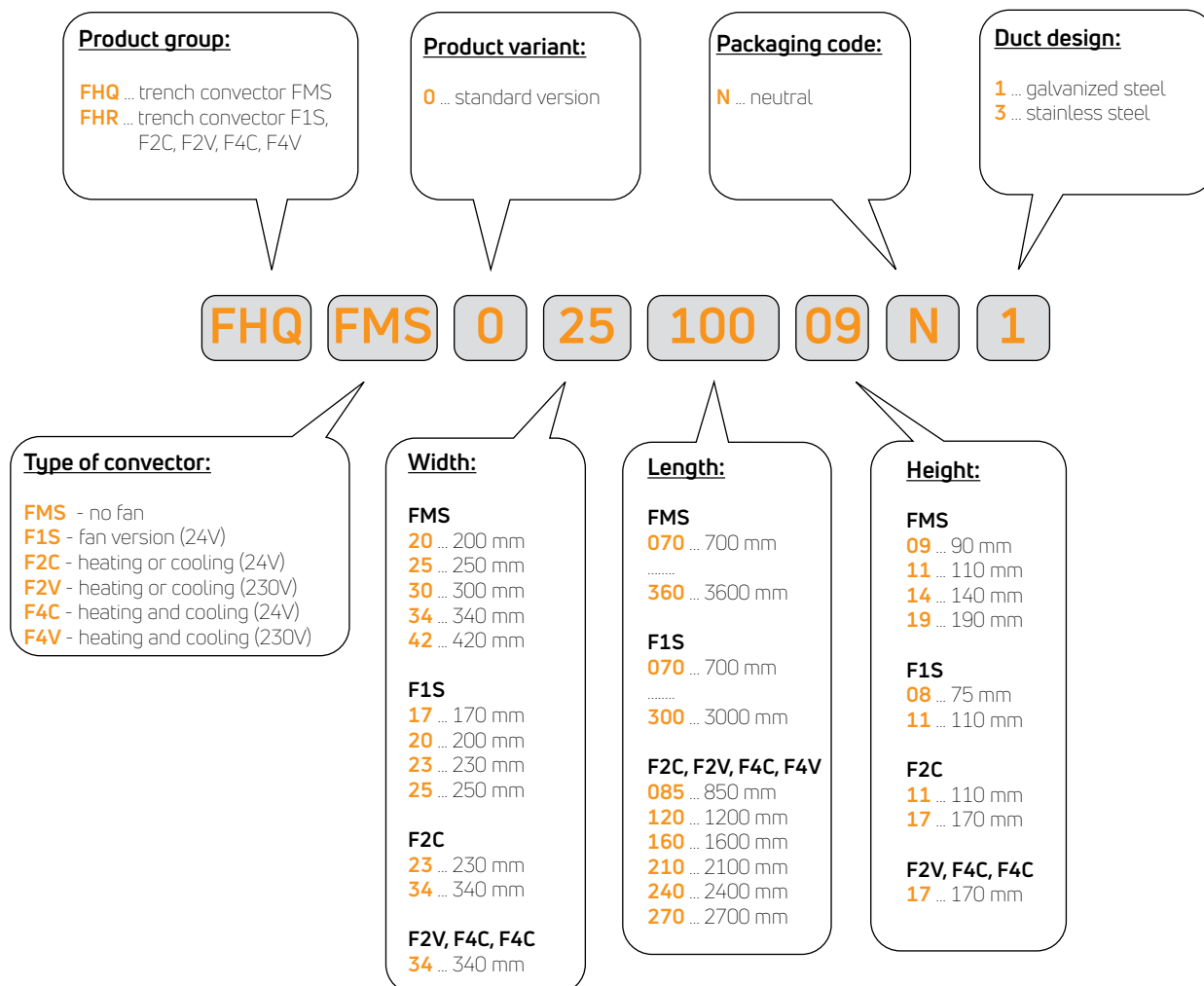
	description	order code
	PPT-02 room thermostat with a 3 speed control switch: Operating voltage 230 V / 50 Hz Required temperature setting range 8 - 30 °C Number of speed settings off + 3 Terminal load 0.2-6 (2) A IP protection rating IP 30 Colour white RAL 9010 Width x height x depth 96.4 x 113.1 x 42 mm Note: the thermostat should be positioned approx. 1.5 m above the floor level, and not exposed to direct sun radiation or other local heat or cold source.	AZA3PPT02
	PER-07 room thermostat with automatic speed switch: - control of heating and cooling - available option: connecting external sensors Operating voltage 230 V / 50 Hz Power load max 8 VA Control output load 230 V / 50 Hz, max 4 (2) A IP protection rating IP 30 Required temperature setting range 5 - 40 °C Fan speed regulation manual (0,1,2,3) / automatic Width x height x depth 86 x 86 x 46 mm Note: the thermostat should be positioned approx. 1.5 m above the floor level, and not exposed to direct sun radiation or other local heat or cold source.	AZA3PER07
	PER-08 room thermostat with automatic speed switch and weekly programming: - control of heating and cooling - available option: connecting external sensors - available option: remote control Operating voltage 230 V / 50 Hz Power load max 8 VA Control output load 230 V / 50 Hz, max 4 (2) A IP protection rating IP 30 Required temperature setting range 5 - 40 °C Fan speed regulation manual (0,1,2,3) / automatic Width x height x depth 86 x 86 x 46 mm Note: The thermostat should be positioned approx. 1.5 m above the floor level, and not exposed to direct sun radiation or other local heat or cold source.	AZA3PER08
	PER-10 KNX room thermostat with automatic speed switch: - control of heating and cooling - available option: connecting external sensors - communication with KNX protocol-compliant BMS systems Operating voltage 230 V / 50 Hz Power load max 8 VA Control output load 230 V / 50 Hz, max 4 (2) A IP protection rating IP 30 Required temperature setting range 5 - 40 °C Fan speed regulation manual (0,1,2,3) / automatic Width x height x depth 86 x 86 x 46 mm Note: the thermostat should be positioned approx. 1.5 m above the floor level, and not exposed to direct sun radiation or other local heat or cold source.	AZANPER10KNX
	PER-05-DO remote control for PER-08.	AZA3PER05DO

Accessories

	description	order code
	QAH-11 clip-on temperature sensor with NTC resistance measuring element for the equipment with heating and/or cooling function Temperature measuring range - 20...+ 70 °C Measuring accuracy at 25 °C ±0.3K Time constant 1.5 min	AZA3QAH11
	Temperature sensor PTL-01 stopping the fan at temperature of the medium below 35 °C for use with F1S and F2C (heating mode only) convectors only.	AZANPTL01
	RAS transformer for 3-step fan speed control, 230/24 V surface-mounted version RAS-030-M-01 RAS-060-M-01 RAS-100-M-01	AZANRAS030M01 AZANRAS060M01 AZANRAS100M01
	RAS transformer for 3-step fan speed control, 230/24 V flush mounted version RAS-030-M-02 RAS-060-M-02 RAS-100-M-02	AZANRAS030M02 AZANRAS060M02 AZANRAS100M02
	RAS transformer for 3-step fan speed control, 230/24 V DIN rail-mounted version RAS-030-M-03 RAS-060-M-03 RAS-100-M-03 RAS-120-M-03 RAS-240-M-03	AZANRAS030M03 AZANRAS060M03 AZANRAS100M03 AZANRAS120M03 AZANRAS240M03
	Control module for the F2V and F4V convectors surface-mounted version - RMS-010-M-01 flush mounted version - RMS-010-M-02 DIN rail-mounted version - RMS-010-M-03	AZANRMS010M01 AZANRMS010M02 AZANRMS010M03

Order codes

convectors



Example of an order code for an **Aquilo** convector:

standard version

- product group: trench convector
- type of convector: FMS
- product variant: **standard version**
- width: 250 mm
- length: 1000 mm
- height: 90 mm
- packaging code: neutral
- duct design: **galvanized steel**

example of an order code: FHQFMS02510009N1

Note:

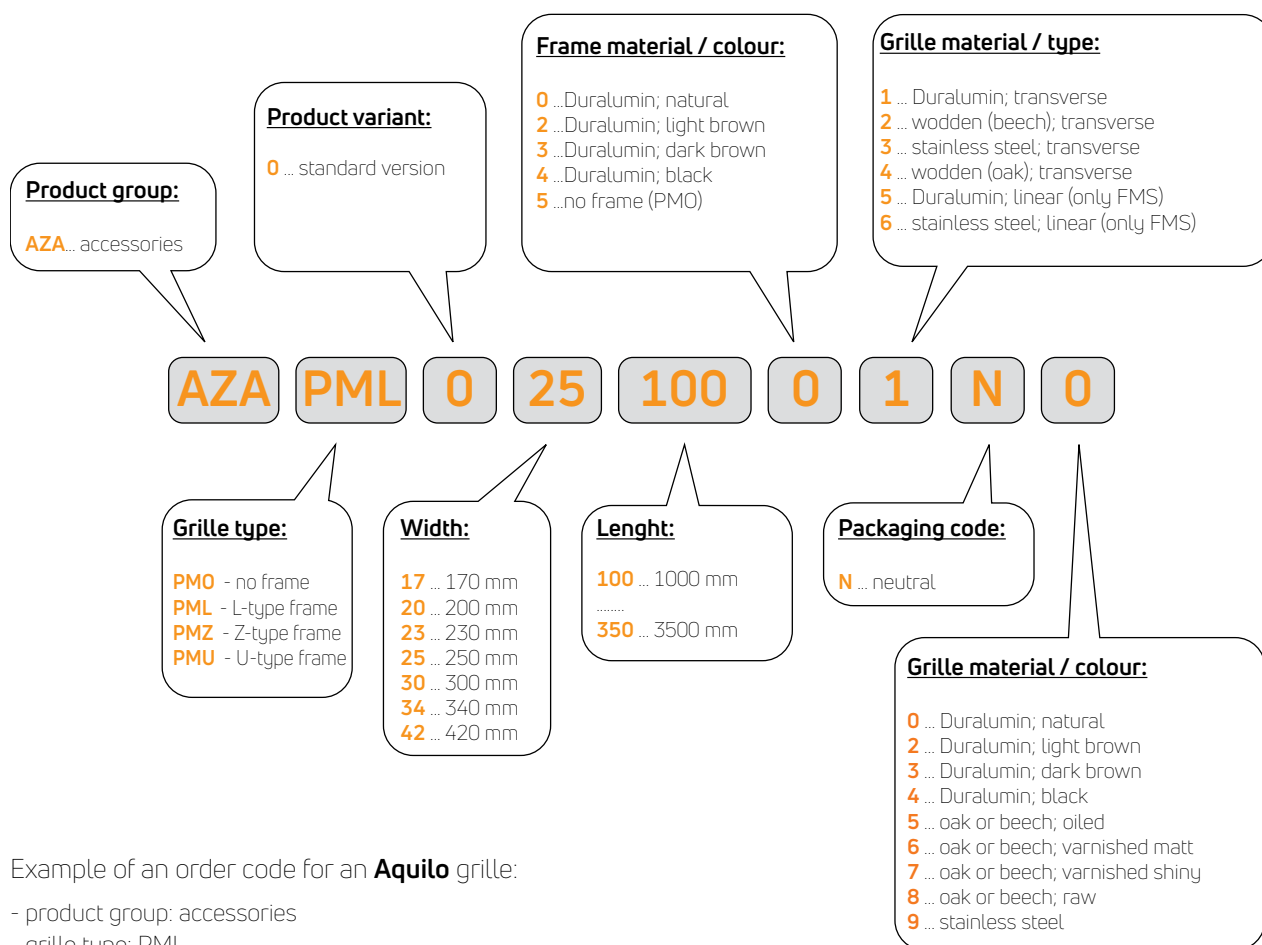
All Aquilo convectors for pool applications must be ordered in special execution versions. Technical details can be provided on request.

Non-standard versions are available on request only, for execution on the basis of design documentation (drawings) approved by the Client.

F2C, F2V, F4C, F4V trench convector ducts made of stainless steel only and with holes for connecting the drainage in the bottom of the duct.

Order codes

grilles



Example of an order code for an **Aquila** grille:

- product group: accessories
- grille type: PML
- product variant: standard version
- width: 250 mm
- length: 1000 mm
- frame material / colour: Duralumin / natural
- grille material / type: Duralumin / transverse
- packaging code: neutral
- grille material / colour: Duralumin / natural

example of an order code - **AZAPML02510001N0**

The moisture content for beech or natural oak Aquilo convector grilles is approx. 10%. To enable the Clients colouring of their own choice, the grilles are not sold protected by preliminary varnishing.

However, while stored or after mounting, natural wood grilles can naturally lengthen even with 2-3 mm per each meter of the grille's length, due to the natural process of moisture absorption from the ambient air. To avoid the adverse effects of this natural process, the grilles need to be protected against mois-

ture. Painting with oil or varnishing eliminates the possibility of the negative effects of swelling or shrinking of the wooden grilles. In case grilles become moist, they should be varnished only after they become entirely dry and return to their required length, appropriate to the duct's dimensions.

Note:

In places where intense mechanical load on the grilles might occur (car dealers, gyms), the Duralumin or stainless steel grilles are recommended.

About our company

The integrated quality and environmental management system in accordance with ISO 9001 and ISO 14001 implemented in our company are certified by the British Standards Institution.



Purmo Group.

This company of the Finnish origin is the biggest manufacturer of radiators in Poland and Europe. High quality materials and a partnership backed by actions are the key to our company success. Our radiators proved themselves in the tough climate of Northern Scandinavia. Throughout 50 years of our operation we have earned recognition on the European markets as well as in countries on other continents.

This allows us to provide services for small undertakings with commitment as high as for large ones. The Purmo Group

company owes its image to the Polish managers and engineers. Experienced and highly qualified regional managers maintain constant contact with sales units, designers, fitters and investors while caring for the top quality of customer service.

In Poland, we currently employ over 300 employees. We invest in our future staff by cooperating with academic centres in the country. We organize training for designers and fitters. All of this we do, because we care for the satisfaction of our customer who can always count on us.

[illegible]

[illegible]

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

PURMO GROUP POLAND SP. Z O.O.

02-777 Warszawa
ul. Ciszewskiego 15
budynek KEN Center
tel. (+48 22) 544 10 00
purmow@purmo.pl
www.purmo.com

