Merriott

DESIGN RADIATORS

RADIAVECTOR RADIATORS TECHNICAL INFORMATION

July 2012

CONTENTS

Specification

Paint
Merriott Radiators uses a painting process developed for the automobile industry. In pre-treatment, the radiavectors go through a series of washes which degrease the steel. An iron phosphaterinse passivates the surface prior to painting.

The primer coat is applied by immersion in an electrophoretic bath to give total cover of the bare steel and maximum corrosion protection. This coat is baked at 200°C. The durable topcoat (epoxy polyester powder) is electrostatically applied and stove enamel baked at 200°C. The process is monitored to ensure continuous achievement of optimum adhesion, opacity and gloss levels.

Colour
Our standard finish is semi-gloss RAL 9016 (White) in epoxy polyester powder. An extensive range of other RAL colours are available, at a surcharge, on request.

Outputs
All radiators have been manufactured and tested in accordance with EN442.

Sizing & Heat Emissions
Merriott Radiators radiavectors offer emissions ranging from 346 watts to 2562 watts per metre at ΔT50°C. Comprehensive sizing and emission charts are included in this catalogue.

Height
The height of the radiavector increases in increments of 70mm, from a minimum of 70mm through to 280mm, from 2-panel to 5-panel deep radiavectors.

Length
The radiavector length always relates to the overall front panel length, and increases in increments of 100mm, from a minimum of 500 mm through to 3000 mm. When the radiavector must span exact distances such as gaps between mullions or where it must match existing standpipe centres, the length can be specified in increments of 25mm.

Dimensional Tolerances
Dimensional tolerances are in accordance with **EN442**.

Materials
Merriott Radiators radiavectors are manufactured from flat steel tube, 70mm x 11mm, with a standard thickness of 1.25mm. Other thicknesses are available on request.

Operating Pressures
The standard test pressure is 5.2 bar giving a maximum operating pressure of 4.0 Bar.

Other Operating Pressures
For details on other operating pressures please contact the Merriott Radiators Sales Office.

Warranty
Merriott Radiators Radiavector radiators are guaranteed for a period of ten years in respect of defective materials and workmanship. In order for the warranty to be valid, designers and installers must observe and adhere to **BS EN 12828:2003.**

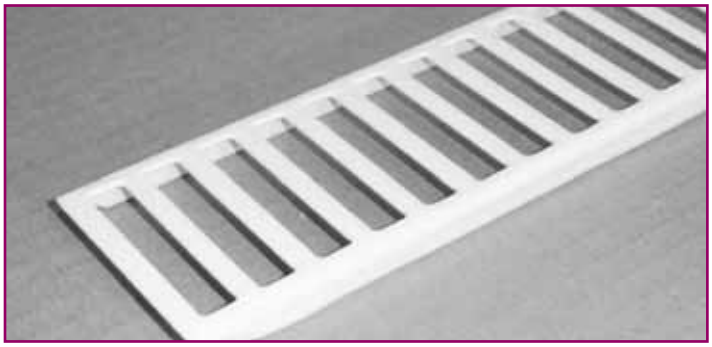
Heating systems in buildings – design for water based heating systems and installers must adhere to **BS EN 14336:2004.** Heating system in buildings – installation and commissioning of water based heating systems. In addition Merriott Radiators recommends that designers and installers observe and adhere to the British Standard code of practice for the treatment of water in domestic hot water central heating systems and **BS 7593:2006,** the use of corrosion inhibitor is recommended for all applications, failure to observe this may result in the invalidation of warranty.

Connections
Standard connections are 4 x 1/2" (15mm) BSP connections. These can be used as BOE or TBOE connection configurations. Other connections available include:
- TBSE connections at an additional cost
- Ventil connections at an additional cost
- 3/4" (20mm) connections at an additional cost

Note: Flow and Return positions must be made clear at time of ordering.

Brackets and Feet
The radiavector can be supplied with a standard foot at 140mm high at an extra cost. A surface mounting bracket is also available. For full details of brackets and feet, please turn to pages 10 (K22 folded foot & cantilever bkt), 11 (K34, K46, K58 folded foot & cantilever bkt) and 12 (Folded feet & Boxsection feet)

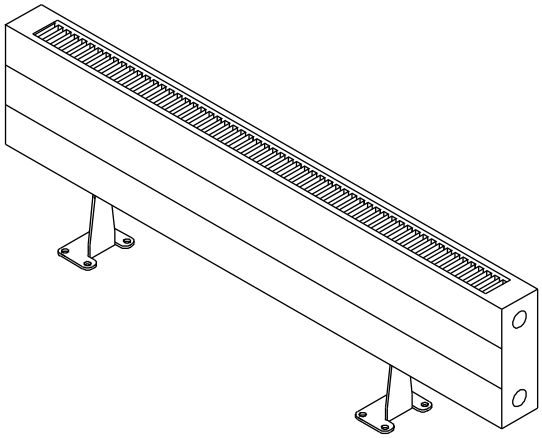
Grilles
All Merriott Radiators radiavectors are supplied as standard without top grilles but grilles can be supplied at an extra cost.



Note:
Grilles must be confirmed at time of order.

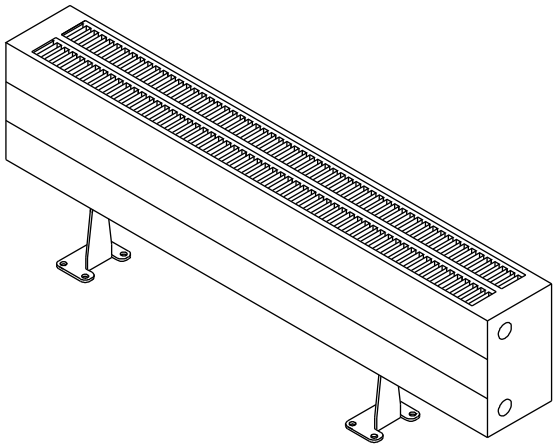
Radiavectors Introduction & Overview

K22



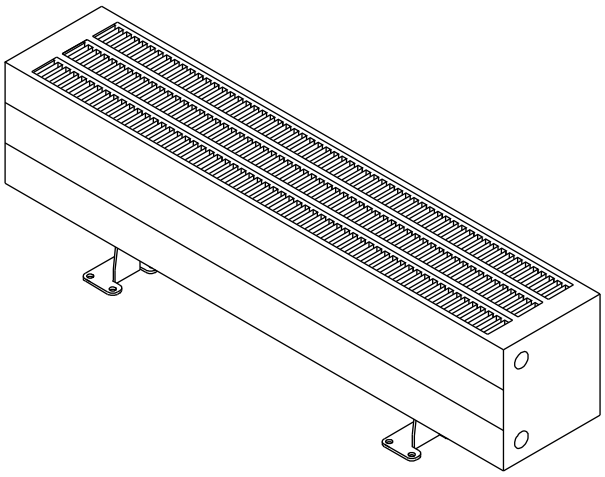
Model	no of panels	no of fins	Product type
K22	2	1	2 Panel

K34



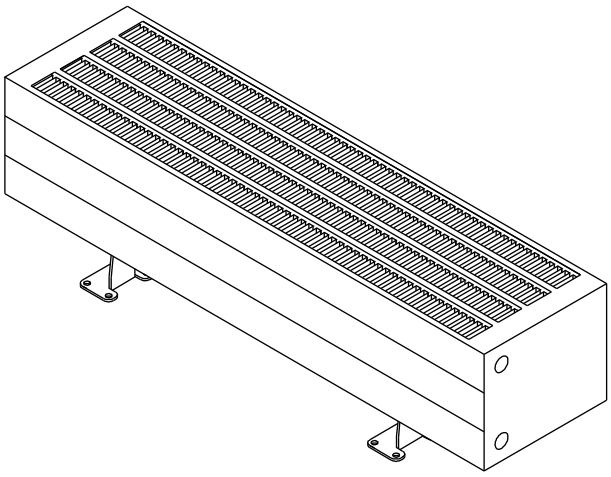
Model	no of panels	no of fins	Product type
K34	3	2	3 Panel

K46



Model	no of panels	no of fins	Product type
K46	4	3	4 Panel

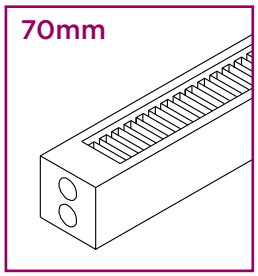
K58

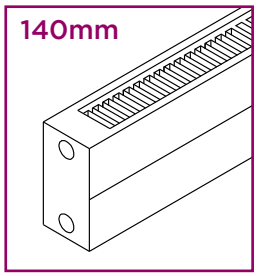


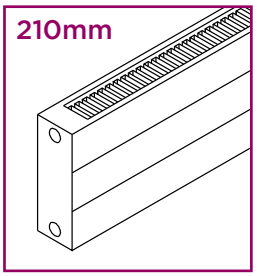
Model	no of panels	no of fins	Product type
K58	5	4	5 Panel

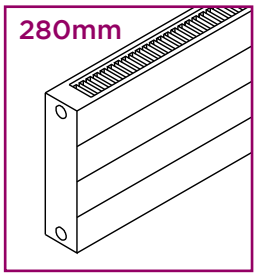
Height: ranges from 70mm to 280mm in increments of 70mm.
Length: ranges from 500mm to 3000mm in increments of 100mm. Other lengths are available on request.

Heat Emissions - K22





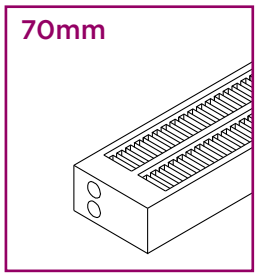


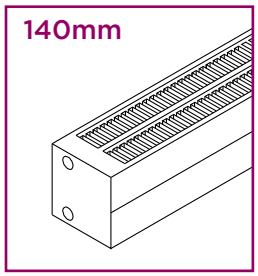


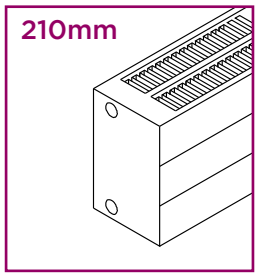
Height	70mm	140mm	210mm	280mm
Depth (mm)	72	72	72	72
Dry Weight (kg/m)	5.5	11	16.7	22.3
Water Content (l/m)	1.1	2.3	3.4	4.6
Surface Area (m2/m)	1.07	2.26	3.45	4.64

Length	Output (Watts)		Output (Watts)		Output (Watts)		Output (Watts)	
mm	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56
500	173	199	277	320	347	403	416	484
600	208	239	332	384	416	483	499	581
700	242	279	388	448	486	564	582	678
800	277	318	443	512	555	644	666	774
900	311	358	499	576	625	725	749	871
1000	346	398	554	640	694	805	832	968
1100	381	438	609	704	763	886	915	1065
1200	415	478	665	768	833	966	998	1162
1300	450	517	720	832	902	1047	1082	1258
1400	484	557	776	896	972	1127	1165	1355
1500	519	597	831	960	1041	1208	1248	1452
1600	554	637	886	1024	1110	1288	1331	1549
1700	588	677	942	1088	1180	1369	1414	1646
1800	623	716	997	1152	1249	1449	1498	1742
1900	657	756	1053	1216	1319	1530	1581	1839
2000	692	796	1108	1280	1388	1610	1664	1936
2100	727	836	1163	1344	1457	1691	1747	2033
2200	761	876	1219	1408	1527	1771	1830	2130
2300	796	915	1274	1472	1596	1852	1914	2226
2400	830	955	1330	1536	1666	1932	1997	2323
2500	865	995	1385	1600	1735	2013	2080	2420
2600	900	1035	1440	1664	1804	2093	2163	2517
2700	934	1075	1496	1728	1874	2174	2246	2614
2800	969	1114	1551	1792	1943	2254	2330	2710
2900	1003	1154	1607	1856	2013	2335	2413	2807
3000	1038	1194	1662	1920	2082	2415	2496	2904

Heat Emissions - K34



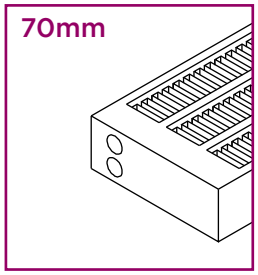


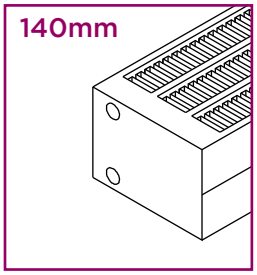


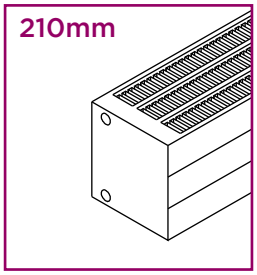
Height	70mm	140mm	210mm	280mm
Depth (mm)	133	133	133	133
Dry Weight (kg/m)	9.1	18.7	28.3	37.9
Water Content (l/m)	1.7	3.4	5.3	6.9
Surface Area (m2/m)	1.97	4.19	6.41	8.63

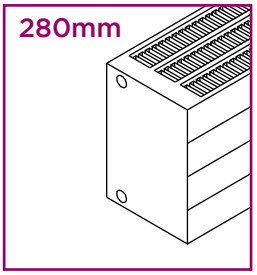
Length	Output (Watts)		Output (Watts)		Output (Watts)		Output (Watts)	
mm	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56
500	289	333	445	517	563	656	681	794
600	347	399	534	620	676	787	817	953
700	405	466	623	724	788	918	953	1112
800	462	532	712	827	901	1049	1089	1270
900	520	599	801	931	1013	1180	1225	1429
1000	578	665	890	1034	1126	1311	1361	1588
1100	636	732	979	1137	1239	1442	1497	1747
1200	694	798	1068	1241	1351	1573	1633	1906
1300	751	865	1157	1344	1464	1704	1769	2064
1400	809	931	1246	1448	1576	1835	1905	2223
1500	867	998	1335	1551	1689	1967	2042	2382
1600	925	1064	1424	1654	1802	2098	2178	2541
1700	983	1131	1513	1758	1914	2229	2314	2700
1800	1040	1197	1602	1861	2027	2360	2450	2858
1900	1098	1264	1691	1965	2139	2491	2586	3017
2000	1156	1330	1780	2068	2252	2622	2722	3176
2100	1214	1397	1869	2171	2365	2753	2858	3335
2200	1272	1463	1958	2275	2477	2884	2994	3494
2300	1329	1530	2047	2378	2590	3015	3130	3652
2400	1387	1596	2136	2482	2702	3146	3266	3811
2500	1445	1663	2225	2585	2815	3278	3403	3970
2600	1503	1729	2314	2688	2928	3409	3539	4129
2700	1561	1796	2403	2792	3040	3540	3675	4288
2800	1618	1862	2492	2895	3153	3671	3811	4446
2900	1676	1929	2581	2999	3265	3802	3947	4605
3000	1734	1995	2670	3102	3378	3933	4083	4764

Heat Emissions - K46





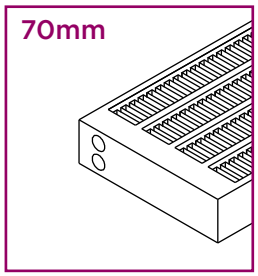


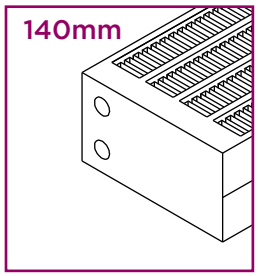


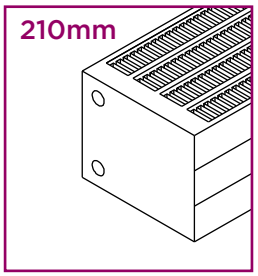
Height	70mm	140mm	210mm	280mm
Depth (mm)	194	194	194	194
Dry Weight (kg/m)	12.6	25.8	39.7	53.6
Water Content (l/m)	2.3	4.6	6.9	9.2
Surface Area (m2/m)	2.88	6.12	9.37	12.62

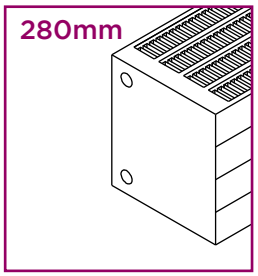
Length	Output (Watts)		Output (Watts)		Output (Watts)		Output (Watts)	
mm	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56
500	406	468	631	733	802	934	971	1135
600	487	561	757	880	962	1121	1165	1362
700	568	655	883	1026	1122	1308	1359	1589
800	650	748	1010	1173	1282	1494	1553	1816
900	731	842	1136	1319	1443	1681	1747	2043
1000	812	935	1262	1466	1603	1868	1941	2270
1100	893	1029	1388	1613	1763	2055	2135	2497
1200	974	1122	1514	1759	1924	2242	2329	2724
1300	1056	1216	1641	1906	2084	2428	2523	2951
1400	1137	1309	1767	2052	2244	2615	2717	3178
1500	1218	1403	1893	2199	2405	2802	2912	3405
1600	1299	1496	2019	2346	2565	2989	3106	3632
1700	1380	1590	2145	2492	2725	3176	3300	3859
1800	1462	1683	2272	2639	2885	3362	3494	4086
1900	1543	1777	2398	2785	3046	3549	3688	4313
2000	1624	1870	2524	2932	3206	3736	3882	4540
2100	1705	2057	2776	3225	3527	4110	4270	4994
2200	1786	1629	2565	2973	3487	4041	4191	4857
2300	1868	2151	2903	3372	3687	4296	4464	5221
2400	1949	2244	3029	3518	3847	4483	4658	5448
2500	2030	2338	3155	3665	4008	4670	4853	5675
2600	2111	2431	3281	3812	4168	4857	5047	5902
2700	2192	2525	3407	3958	4328	5044	5241	6129
2800	2274	2618	3534	4105	4488	5230	5435	6356
2900	2355	2712	3660	4251	4649	5417	5629	6583
3000	2436	2805	3786	4398	4809	5604	5823	6810

Heat Emissions - K58







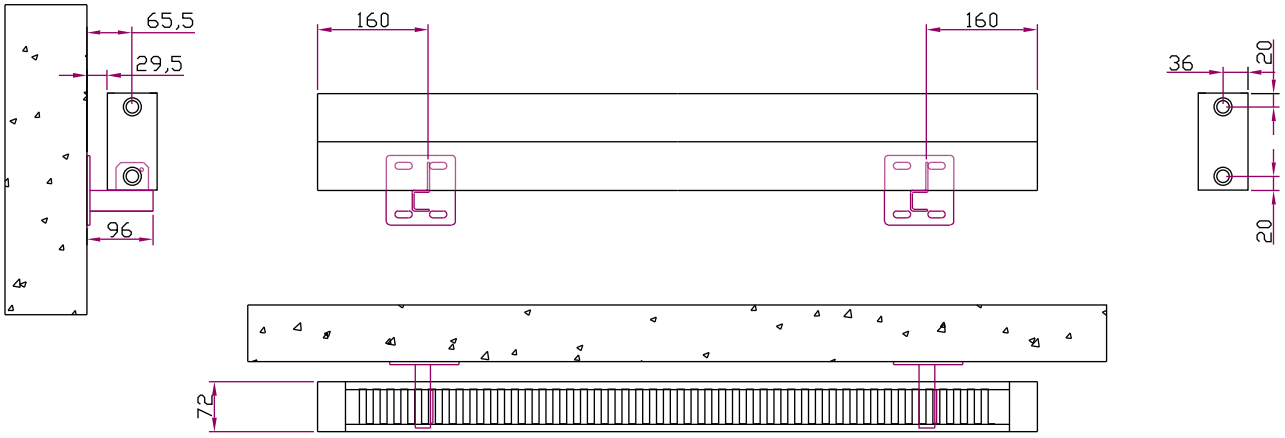


Height	70mm	140mm	210mm	280mm
Depth (mm)	255	255	255	255
Dry Weight (kg/m)	16.1	33.7	50.9	69
Water Content (l/m)	2.9	5.7	8.6	11.5
Surface Area (m2/m)	3.78	8.06	12.33	16.61

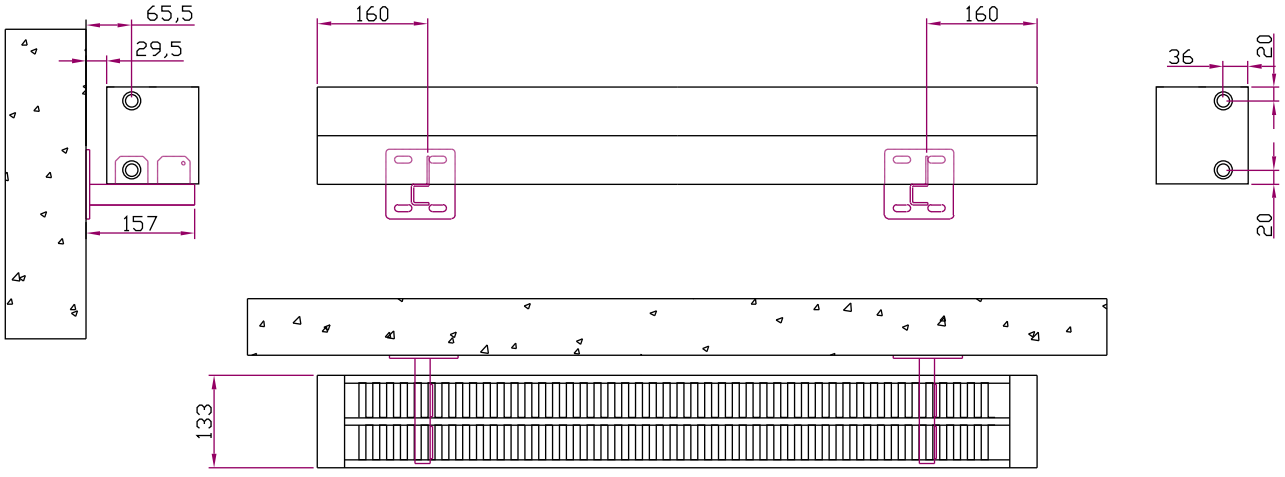
Length	Output (Watts)		Output (Watts)		Output (Watts)		Output (Watts)	
mm	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56	ΔT50	ΔT56
500	514	593	821	953	1053	1228	1281	1502
600	617	712	985	1144	1263	1474	1537	1802
700	720	830	1149	1334	1474	1719	1793	2102
800	822	949	1313	1525	1684	1965	2050	2402
900	925	1067	1477	1715	1895	2210	2306	2703
1000	1028	1186	1641	1906	2105	2456	2562	3003
1100	1131	1305	1805	2097	2316	2702	2818	3303
1200	1234	1423	1969	2287	2526	2947	3074	3604
1300	1336	1542	2133	2478	2737	3193	3331	3904
1400	1439	1660	2297	2668	2947	3438	3587	4204
1500	1542	1779	2462	2859	3158	3684	3843	4505
1600	1645	1898	2626	3050	3368	3930	4099	4805
1700	1748	2016	2790	3240	3579	4175	4355	5105
1800	1850	2135	2954	3431	3789	4421	4612	5405
1900	1953	2253	3118	3621	4000	4666	4868	5706
2000	2056	2372	3282	3812	4210	4912	5124	6006
2100	2159	2491	3446	4003	4421	5158	5380	6306
2200	2262	2609	3610	4193	4631	5403	5636	6607
2300	2364	2728	3774	4384	4842	5649	5893	6907
2400	2467	2846	3938	4574	5052	5894	6149	7207
2500	2570	2965	4103	4765	5263	6140	6405	7508
2600	2673	3084	4267	4956	5473	6386	6661	7808
2700	2776	3202	4431	5146	5684	6631	6917	8108
2800	2878	3321	4595	5337	5894	6877	7174	8408
2900	2981	3439	4759	5527	6105	7122	7430	8709
3000	3084	3558	4923	5718	6315	7368	7686	9009

Applications

K22



K34

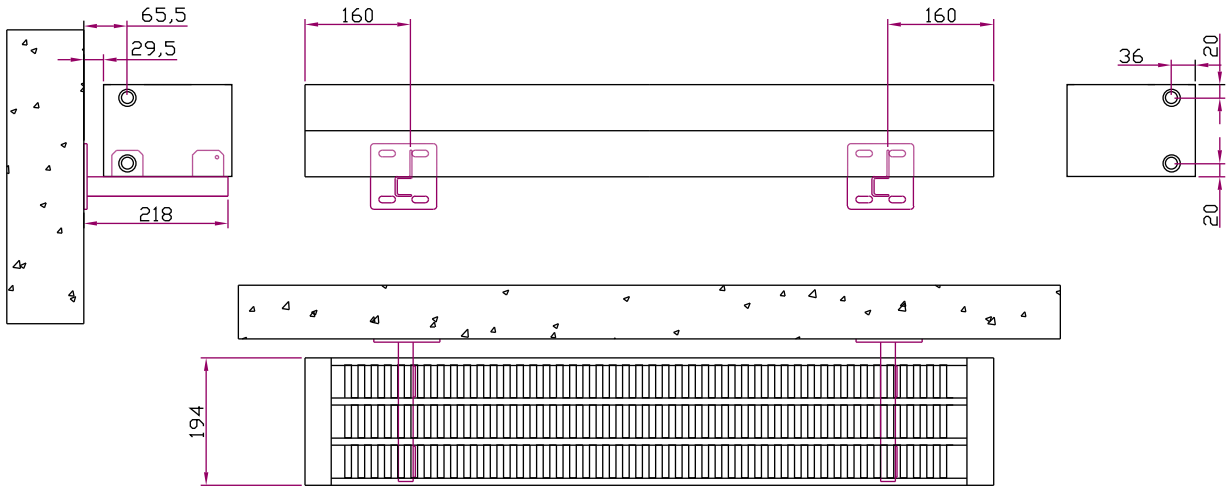


Note: All dimensions shown are the same when using cantilever brackets or radiavector feet, see pages 10 (K22) and 11 (K34, K46, K58) for details.

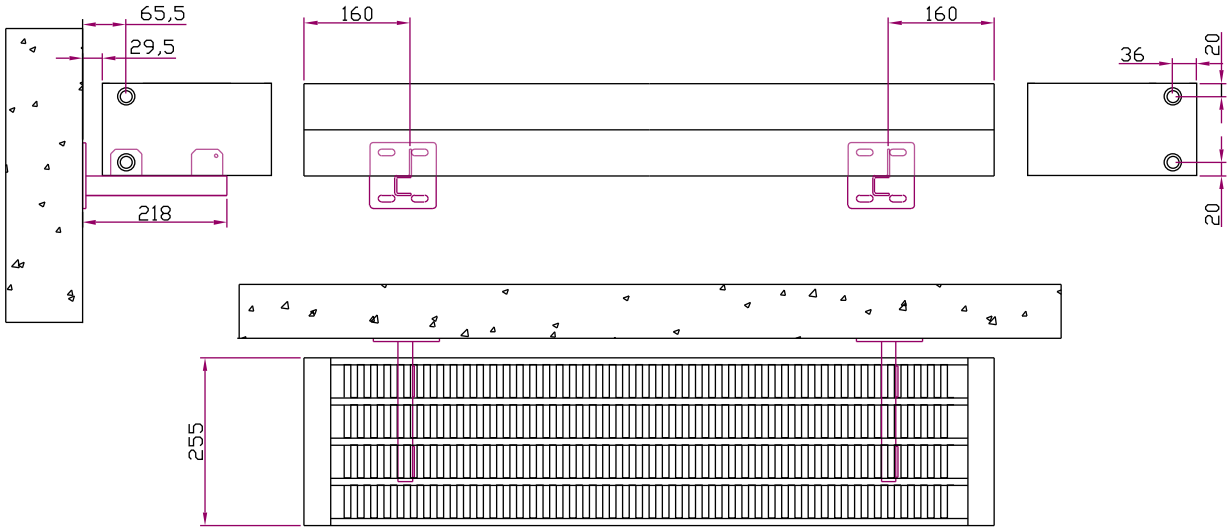
All dimensions are in millimetres

Applications

K46



K58

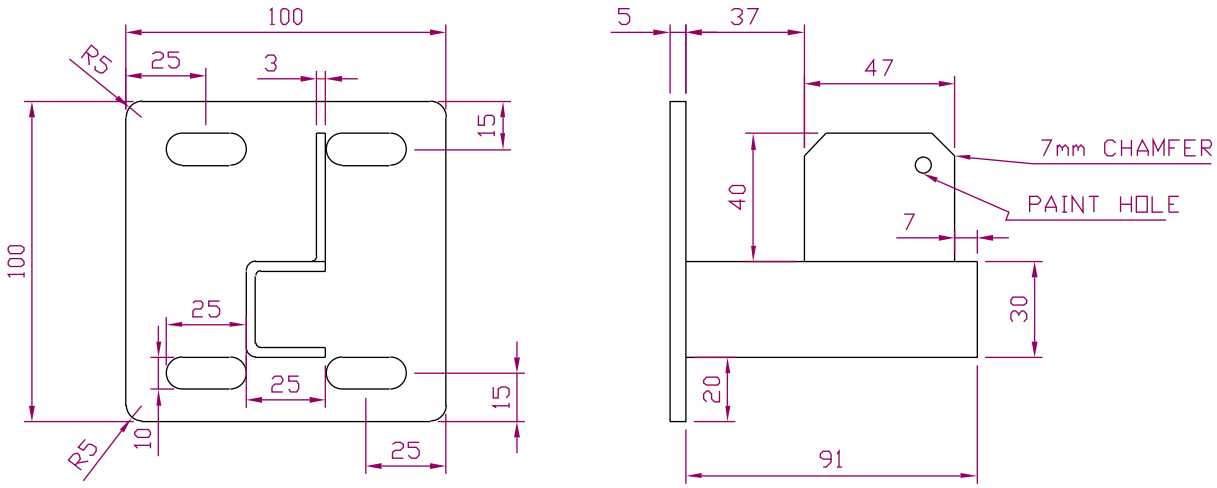


Note: All dimensions shown are the same when using cantilever brackets or radiavector feet, see pages 10 (K22) and 11 (K34, K46, K58) for details.

All dimensions are in millimetres

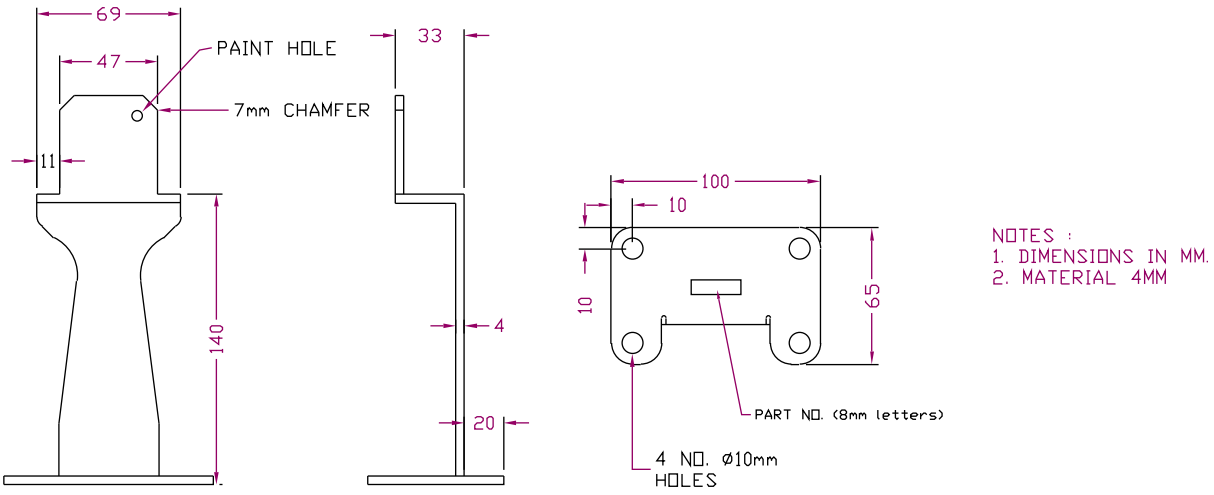
Bracket and Foot Details

K22 Cantilever Bracket



order number PP-B014

K22 Radiavector Foot

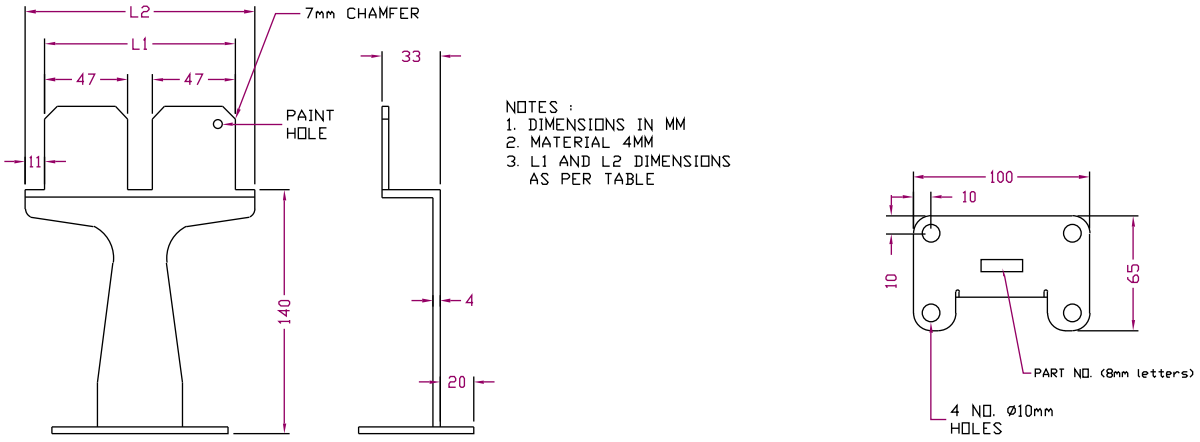


order number PP-F011

All dimensions are in millimetres

Bracket and Foot Details

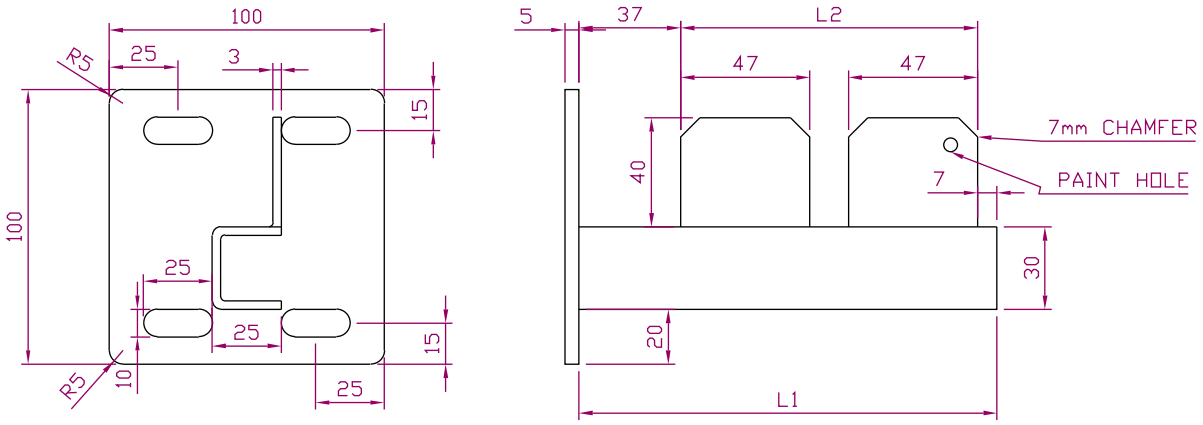
Radiavector Foot



Radiavector	L1	L2
K34, 58	108	130
K46	168	190

order number PP-F012

Cantilever Bracket



Radiavector	L1	L2
K34	152	108
K46, 58	212	168

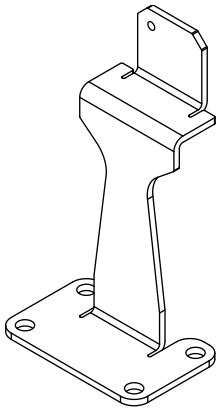
order number PP-B015

All dimensions are in millimetres

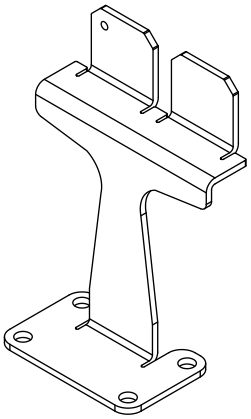
Foot Details

(As products are subject to continued research to improve design and performance, we reserve the right to alter specifications without notice)

Folded Feet

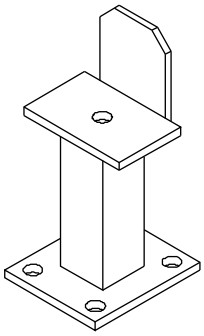


PP-F011
(Base Plate 100 x 65)

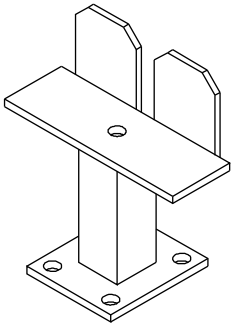


PP-F012
(Base Plate 100 x 65)

Box Feet



PP-F056
(Base Plate 80 x 65)



PP-F057
(Base Plate 80 x 65)

Both feet PP-F011 & PP-F012 are folded loose feet.
Both feet PP-F056 & PP-F057 are loose box section feet.
The dimensions are the same for the box section foot as for the folded foot.

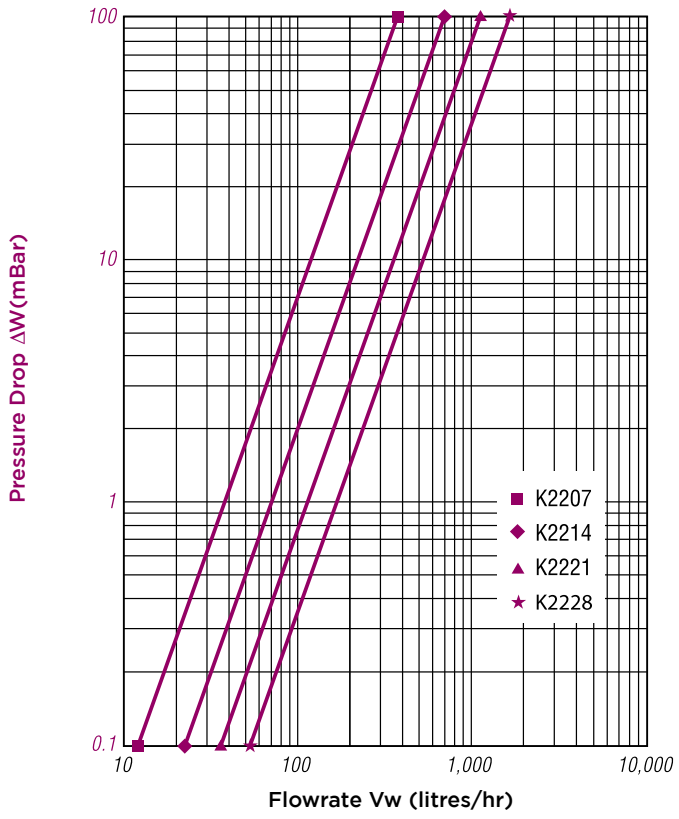
Please quote the code of the foot you require at the order stage

Please note: For all loose feet over 140mm high we recommend the box section type rather than the folded type.

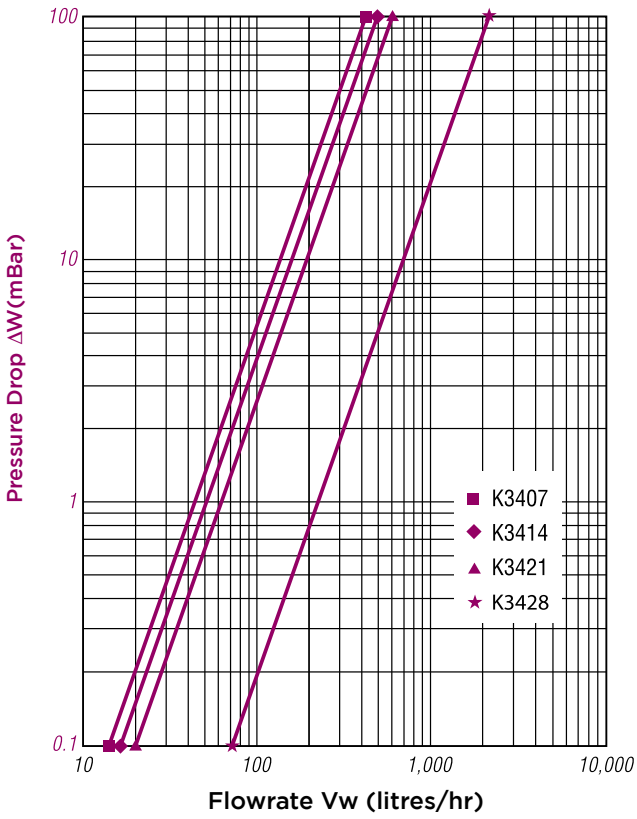
For all our feet we recommend the use of proper floor securing bolts
E.g. Rawl Bolts M8 upwards, Throu' Bolts M8 upwards.

Resistance Diagrams

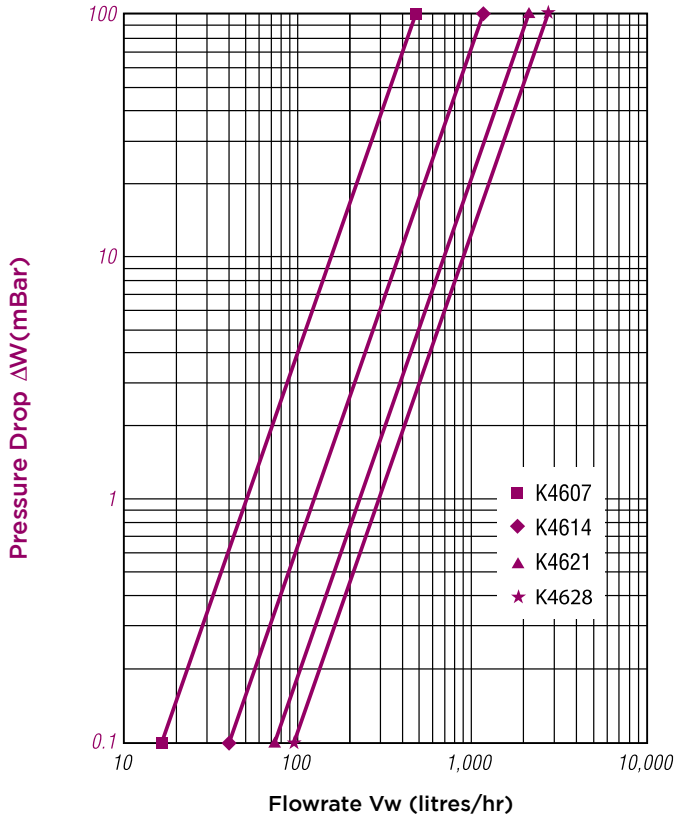
K22



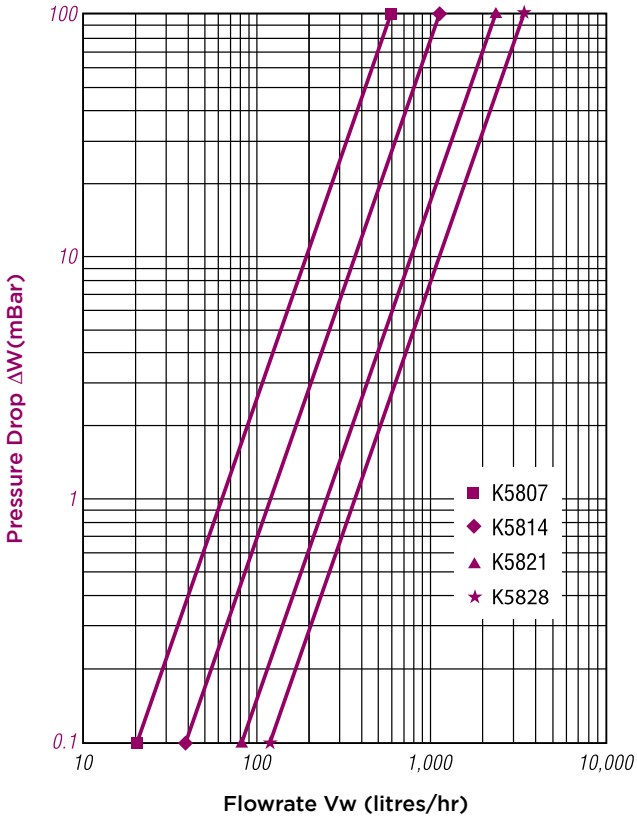
K34



K46



K58



Resistance

How to calculate the Resistance of a Radiavector.

The following is how to find the resistance of a radiavector type K58 2000mm long X 140mm high:

First, establish what the output of the radiavector is.
This is found in the catalogue. (For this particular example please see page 7).
Output from the Catalogue is 3812 Watts

In this example the system is operating at ΔT56°C (Flow @ 82°C, Return 71°C).

(If the output is for a ΔT°C other than what is indicated in the emission tables (ΔT50°C or ΔT56°C) please use the correction factor tables indicated to get the corrected output.)

C is the Specific Heat Constant (always 4187 J/Kg°C)

Calculate the flow rate as follows:

Q = (m) x (C) x (ΔT)

Output = (Flow Rate) (Constant) (Difference between flow and return temperature)

Watts = (l/s) (J/Kg°C) (°C)

3812 = (m) (4187) (11)

Therefore

m = 3812/((4187) x (11))

m = 0.082767006 Litres per Second (l/s) multiply by 3600 to convert to litres per hour

m = 298.0 litres per hour (l/hr)

Now, look up the Resistance Diagram:

Reading from the chart this gives a value of 6.5mBar or 0.65Kpa
(For a K58 140mm read from the line K5814)

Depending on the height of the radiator, utilise one of the following lines of the appropriate chart:

K2207 is a K22 radiavector 70mm high
K3414 is a K34 radiavector 140mm high
K4621 is a K46 radiavector 210mm high
K5828 is a K58 radiavector 280mm high

Correction Factors

Emissions at two separate Delta T°Cs (ΔT°Cs) are provided in the Heat Emission Charts in this catalogue.

Listed below are the correction factors needed to calculate the emission at other Delta Ts (ΔTs) between 10° and 80°C. This is done by correcting your heat emission with the appropriate correction factor selected from the table below.

Example:

Say, required room temperature = 21°C, flow temperature = 86°C, return temperature = 72°C
How is the emission found?

Solution:

Mean Water Temperature = (T flow + T return)/2 = (86 + 72)/2 = 79°C
DeltaT = Mean Water Temp - Required Room Temp = 79 - 21 = 58°C

From the tables for K34, the emission is 1.215 times the emission stated at ΔT 50°C or 1.047 times the emission stated at ΔT 56°C

K22

ΔT(°C)P	Based on	
	ΔT50	ΔT56
10	0.125	0.108
11	0.142	0.123
12	0.159	0.137
13	0.176	0.152
14	0.194	0.167
15	0.212	0.183
16	0.230	0.199
17	0.249	0.215
18	0.268	0.231
19	0.287	0.248
20	0.307	0.265
21	0.327	0.282
22	0.347	0.300
23	0.367	0.317
24	0.388	0.335
25	0.409	0.353
26	0.430	0.372
27	0.452	0.390
28	0.473	0.409
29	0.495	0.428
30	0.517	0.447
31	0.540	0.466
32	0.562	0.486
33	0.585	0.506
34	0.608	0.525
35	0.631	0.545
36	0.655	0.566
37	0.678	0.586
38	0.702	0.606
39	0.726	0.627
40	0.750	0.648
41	0.774	0.669
42	0.799	0.690
43	0.823	0.711
44	0.848	0.733
45	0.873	0.754

ΔT(°C)P	Based on	
	ΔT50	ΔT56
46	0.898	0.776
47	0.923	0.798
48	0.949	0.820
49	0.974	0.842
50	1	0.864
51	1.026	0.886
52	1.052	0.909
53	1.078	0.931
54	1.104	0.954
55	1.131	0.977
56	1.157	1
57	1.184	1.023
58	1.211	1.046
59	1.238	1.070
60	1.265	1.093
61	1.292	1.117
62	1.320	1.140
63	1.347	1.164
64	1.375	1.188
65	1.403	1.212
66	1.431	1.236
67	1.459	1.260
68	1.487	1.285
69	1.515	1.309
70	1.544	1.334
71	1.572	1.358
72	1.601	1.383
73	1.629	1.408
74	1.658	1.433
75	1.687	1.458
76	1.716	1.483
77	1.745	1.508
78	1.775	1.533
79	1.804	1.559
80	1.834	1.584

K34

ΔT(°C)P	Based on	
	ΔT50	ΔT56
10	0.121	0.105
11	0.138	0.119
12	0.154	0.133
13	0.171	0.148
14	0.189	0.163
15	0.207	0.178
16	0.225	0.194
17	0.243	0.210
18	0.262	0.226
19	0.282	0.243
20	0.301	0.260
21	0.321	0.277
22	0.341	0.294
23	0.362	0.312
24	0.382	0.330
25	0.403	0.348
26	0.425	0.366
27	0.446	0.385
28	0.468	0.403
29	0.490	0.422
30	0.512	0.442
31	0.535	0.461
32	0.557	0.480
33	0.580	0.500
34	0.603	0.520
35	0.627	0.540
36	0.650	0.561
37	0.674	0.581
38	0.698	0.602
39	0.722	0.623
40	0.747	0.644
41	0.771	0.665
42	0.796	0.687
43	0.821	0.708
44	0.846	0.729
45	0.871	0.751

ΔT(°C)P	Based on	
	ΔT50	ΔT56
46	0.897	0.773
47	0.922	0.795
48	0.948	0.817
49	0.974	0.840
50	1	0.862
51	1.027	0.885
52	1.053	0.908
53	1.080	0.930
54	1.106	0.954
55	1.133	0.977
56	1.160	1
57	1.187	1.024
58	1.215	1.047
59	1.242	1.071
60	1.270	1.095
61	1.298	1.119
62	1.326	1.143
63	1.354	1.167
64	1.382	1.191
65	1.410	1.216
66	1.439	1.240
67	1.467	1.265
68	1.496	1.270
69	1.525	1.315
70	1.554	1.340
71	1.583	1.365
72	1.612	1.390
73	1.642	1.415
74	1.671	1.441
75	1.701	1.467
76	1.731	1.492
77	1.761	1.518
78	1.791	1.544
79	1.821	1.570
80	1.851	1.596

Correction Factors

K46

ΔT(°C)P	Based on	
	ΔT50	ΔT56
10	0.118	0.101
11	0.133	0.115
12	0.150	0.129
13	0.167	0.143
14	0.184	0.158
15	0.202	0.173
16	0.220	0.189
17	0.238	0.205
18	0.257	0.221
19	0.276	0.237
20	0.296	0.254
21	0.315	0.271
22	0.336	0.289
23	0.356	0.306
24	0.377	0.324
25	0.398	0.342
26	0.419	0.360
27	0.441	0.379
28	0.462	0.398
29	0.485	0.417
30	0.507	0.436
31	0.530	0.455
32	0.552	0.475
33	0.575	0.495
34	0.598	0.515
35	0.622	0.535
36	0.646	0.556
37	0.670	0.576
38	0.694	0.597
39	0.719	0.618
40	0.743	0.639
41	0.768	0.661
42	0.793	0.682
43	0.818	0.704
44	0.844	0.726
45	0.869	0.748

ΔT(°C)P	Based on	
	ΔT50	ΔT56
46	0.895	0.770
47	0.921	0.792
48	0.947	0.815
49	0.974	0.837
50	1	0.860
51	1.027	0.883
52	1.054	0.906
53	1.081	0.929
54	1.108	0.953
55	1.135	0.976
56	1.163	1
57	1.190	1.024
58	1.218	1.048
59	1.246	1.072
60	1.275	1.096
61	1.303	1.121
62	1.331	1.145
63	1.360	1.170
64	1.389	1.194
65	1.418	1.219
66	1.447	1.244
67	1.476	1.270
68	1.505	1.295
69	1.535	1.320
70	1.564	1.346
71	1.594	1.371
72	1.624	1.397
73	1.654	1.423
74	1.684	1.449
75	1.715	1.475
76	1.745	1.501
77	1.776	1.527
78	1.807	1.554
79	1.837	1.580
80	1.868	1.607

K58

ΔT(°C)P	Based on	
	ΔT50	ΔT56
10	0.116	0.099
11	0.131	0.113
12	0.148	0.127
13	0.164	0.141
14	0.182	0.156
15	0.199	0.171
16	0.217	0.187
17	0.236	0.202
18	0.254	0.219
19	0.273	0.235
20	0.293	0.252
21	0.313	0.269
22	0.333	0.286
23	0.353	0.303
24	0.374	0.321
25	0.395	0.339
26	0.416	0.358
27	0.438	0.376
28	0.460	0.395
29	0.482	0.414
30	0.504	0.433
31	0.527	0.453
32	0.550	0.472
33	0.573	0.492
34	0.596	0.512
35	0.620	0.533
36	0.644	0.553
37	0.668	0.574
38	0.692	0.595
39	0.717	0.616
40	0.742	0.637
41	0.767	0.659
42	0.792	0.680
43	0.817	0.702
44	0.843	0.724
45	0.868	0.746

ΔT(°C)P	Based on	
	ΔT50	ΔT56
46	0.894	0.768
47	0.920	0.791
48	0.947	0.813
49	0.973	0.836
50	1	0.859
51	1.027	0.882
52	1.054	0.906
53	1.081	0.929
54	1.109	0.952
55	1.136	0.976
56	1.164	1
57	1.192	1.024
58	1.220	1.048
59	1.248	1.072
60	1.277	1.097
61	1.305	1.121
62	1.334	1.146
63	1.363	1.171
64	1.392	1.196
65	1.421	1.221
66	1.451	1.246
67	1.480	1.272
68	1.510	1.297
69	1.540	1.323
70	1.570	1.349
71	1.600	1.374
72	1.630	1.400
73	1.661	1.427
74	1.691	1.453
75	1.722	1.479
76	1.753	1.506
77	1.784	1.532
78	1.815	1.559
79	1.846	1.586
80	1.877	1.613

Connection Details

Standard connections

Bottom Opposite Ends connections/Top & Bottom Opposite End connections

A, B, C, D, E, F denote the connection positions. The standard connection configuration on the radiavector is 4 x 1/2" (15mm) BSP connections at ABCD.

These can be used as Bottom Opposite End connections or Top & Bottom Opposite End connections.

Other connection configurations

Top & Bottom Same End connections

Top & Bottom Same End connections must be specified at the time of order and cannot be used on a 4-connection radiavector.

Vertical connections

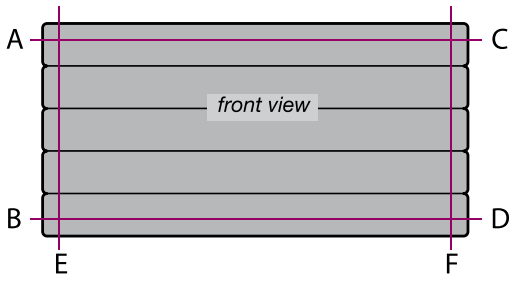
EF connections are available on all models of radiavector.
Other vertical connections available on request

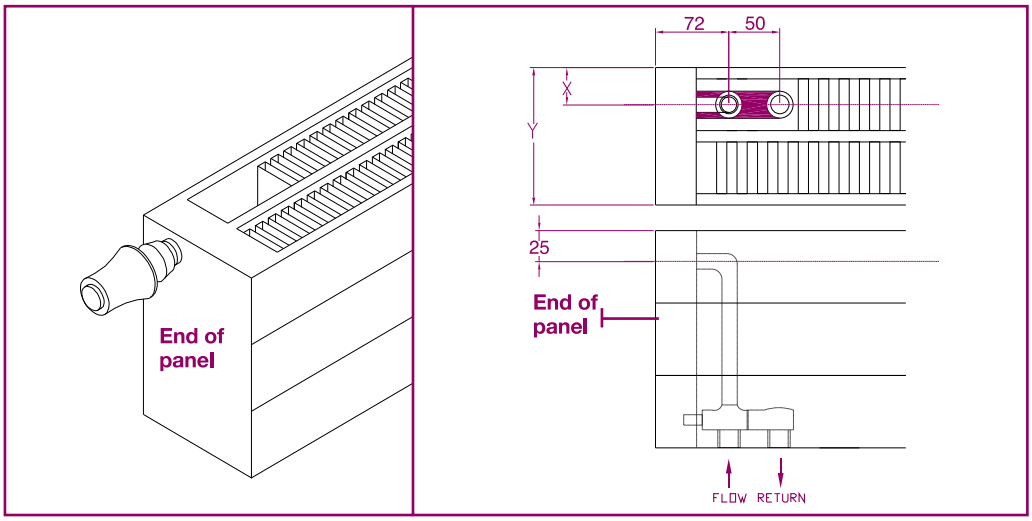
Special connection configurations

Ventil connections

Ventil connection radiavectors can be used in situations where low profile pipework is required.

Connection Codes





Type	Y	X
VK22	72mm	36mm
VK34	133mm	36mm
VK46	194mm	36mm
VK58	255mm	36mm

Y = Width of Radiator
X = Distance from the back panel to the centre of the connection

Note: Distance from the end of the panel to the centre of the flow connection is 72mm for all models

Connection Details

Connection Centre Details

Rad Type	Connection Arrangement See Page 17	Stub to Stub Dim.	Distance from Wall (Connection)	Distance from Wall	
				Rad Width	Front Face To Wall
K22	"A, B, C, D"	L	66	72	102
K22	"E, F"	L-44	66	72	102
K34	"A, B, C, D"	L	66	133	163
K34	"E, F"	L-44	66	133	163
K46	"A, B, C, D"	L	66	194	224
K46	"E, F"	L-44	66	194	224
K58	"A, B, C, D"	L	66	255	285
K58	"E, F"	L-44	66	255	285

L *= The overall length of the radiavector*

All values are in mm

For ABCD connections all connections are the same distance from the top or the bottom of the radiavector. It is 20 mm to the centre of the connection from the top or to the bottom edge of the radiavector. Both connections are the same distance from the wall.

Note: Flow and Return positions must be made clear at time of ordering.

How to Order

How To Order A Radiavector

Standard		Ventile
K22/0	Code	VK22/0
K34/0	Code	VK34/0
K46/0	Code	VK46/0
K58/0	Code	VK58/0

E.g Standard

To order a K34 1000mm long 280mm high K34/0 1000 x 280mm
Then give connection details required ABCD etc

E.g. Ventil

To order a VK46 1500mm long 140mm high VK46/0 1500 x 140mm
Then give what side you require the ventile connection to be on LH or RH.

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Derrylin, Co. Fermanagh, Northern Ireland, BT92 9AU

For contact numbers please see below.

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Fax: +353 (0) 49 9525231

Orders:

Tel : +44 (0) 28 6774 2535
Fax: +353 (0) 49 9525231

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Quotes:

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Fax: +44 (0) 28 6774 8107

Orders:

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