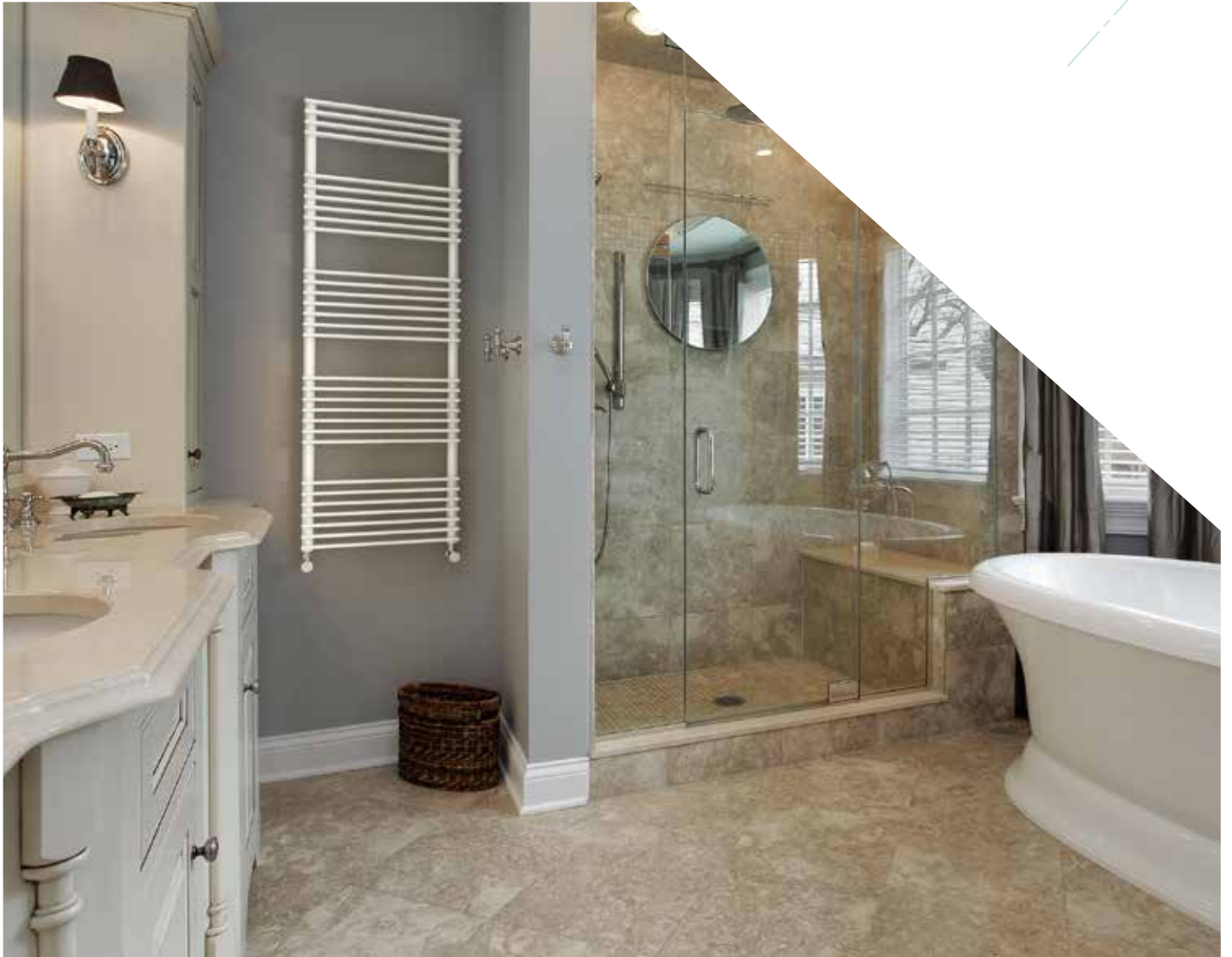


Merriott

Towel Warmers



What does Merriott stand for?

Our bespoke heating and cooling solutions are the better choice for commercial applications across the UK and Ireland.

Merriott offers a diverse and versatile range of designer heating solutions.

Whether they are building consultants, architects or designers, our customers can tailor our bespoke range of products to satisfy their specification requirements.

We have invested in world-class production facilities and manufacture products of the very highest standard - backed by revolutionary technology, rigorous testing and stringent quality control.

As a company, we have an unwavering commitment to innovation and sustainability, pioneering products that lead the way in design, performance and energy efficiency.

Underpinning all of this is our relationship with our customers: ensuring they can rely on best-in-class service and support, from specification right through to delivery.

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Range Overview

Towel Warmers

Merriott towel warmers offer outputs from 195 Watts to 1423 Watts at $\Delta T 50^{\circ}C$.

The range comprises of Edge, Groove and Crystal hydronic towel warmers..

OUTPUTS

All Merriott hydronic towel warmers have been manufactured and tested in accordance with EN442.

FINISH

Every Merriott towel warmer undergoes an intensive pre-treatment process to protect against rust. In pre-treatment, the radiators are degreased, coated with iron phosphate and rinsed prior to painting. A cathodic electrodeposition primer coating is then applied to give total coverage of the bare steel and maximum corrosion protection. The durable topcoat (epoxy polyester powder) is electrostatically applied and stove enamel baked at $180^{\circ}C$. The process is monitored to ensure continuous achievement of optimum adhesion, opacity and gloss levels.

COLOUR

The Edge and Groove models are supplied in our standard finish semi-gloss RAL 9016 (white) in epoxy polyester powder coating.

An extensive range of other RAL colours are available on request.

The Crystal model is available in both white and chrome (polished to a high quality finish).

PACKAGING

All Edge & Groove towel warmers are packaged with the entire surface, including all 4 corners, protected by cardboard box ends and packed in shrink wrapped polythene.

All Crystal towel warmers are packaged with the entire surface, including all 4 corners, protected by a cardboard box.

CONNECTIONS

All Merriott hydronic towel warmers have standard connections of $4 \times \frac{1}{2}$ " (15mm) BSP connections at E, F, G & H connection positions, see Connection Ladder on page 12.

TESTING

Edge & Groove towel warmers are tested to 5.2 bar, with a working pressure of 4 Bar.

Crystal towel warmers are tested to 13 Bar, with a working pressure of 10 Bar.

DIMENSIONAL TOLERANCES

Dimensional tolerances are in accordance with EN442.

ELECTRIC POWER OPTIONS (DUAL FUEL)

All towel warmers can be fitted with an electrical element and can be used when the central heating is not in use.

WARRANTY

Edge & Groove towel warmers are guaranteed for a period of 10 years, Crystal is guaranteed for 5 years from date of purchase in respect of defective materials and workmanship. The system should be designed in accordance with British Standard Code of Practice for Water Based Heating Systems in Buildings **BS EN 12828:2012+A1:2014** and **BS EN 12831: 2003**. The installation and commissioning of the system should comply with **BS EN 14336:2004**. On completion of the installation, the system should be properly flushed and filled in accordance with the British Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems **BS 7593:2006**, Part L of Building Regulations and Good Practice Guidance for Scotland. Merriott strongly recommends the use of corrosion inhibitor for all applications. Failure to observe these standards may invalidate the manufacturer's warranty.

Range Options

EDGE

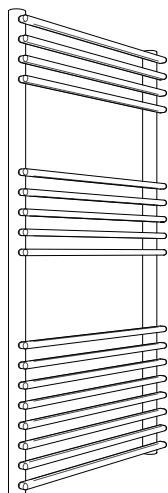
Standard colour:
RAL 9016 (white)
Other RAL colours available
on request.

Height options:

800mm
1200mm
1800mm

Width options:

500mm
600mm
750mm



GROOVE

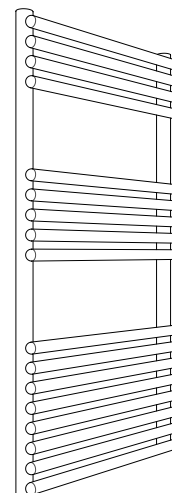
Standard colour:
RAL 9016 (white)
Other RAL colours available
on request.

Height options:

800mm
1200mm
1800mm

Width options:

500mm
600mm
750mm



CRYSTAL STRAIGHT

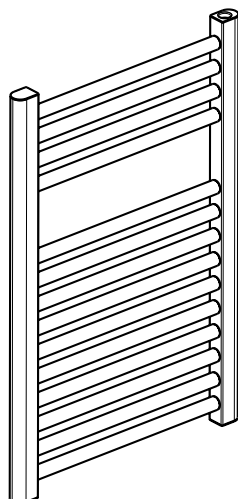
Available in both RAL 9016
(white) and chrome

Height options:

690mm
1230mm
1703mm

Width options:

450mm
600mm



CRYSTAL CURVED

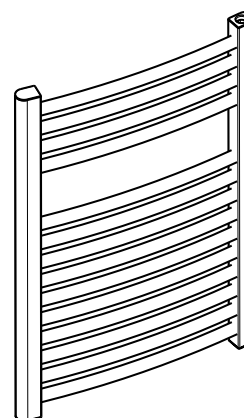
Available in both RAL 9016
(white) and chrome

Height options:

690mm
1230mm
1703mm

Width options:

450mm
600mm



Heat Outputs

Edge, Groove, Crystal White and Chrome

EDGE

Height (mm)	'n'	Length (mm)	Heat Output (Watts)	
			$\Delta T50$	$\Delta T30$
800	1.21	500	434	234
	1.20	600	504	274
	1.18	750	609	333
1200	1.22	500	628	337
	1.20	600	733	396
	1.19	750	890	485
1800	1.24	500	1005	533
	1.22	600	1172	629
	1.20	750	1423	772

GROOVE

Height (mm)	'n'	Length (mm)	Heat Output (Watts)	
			$\Delta T50$	$\Delta T30$
800	1.22	500	393	211
	1.20	600	463	251
	1.18	750	569	312
1200	1.23	500	579	309
	1.20	600	684	370
	1.18	750	841	461
1800	1.24	500	888	472
	1.21	600	1044	563
	1.18	750	1279	700

CRYSTAL WHITE - STRAIGHT & CURVED

Height (mm)	'n'	Length (mm)	Heat Output (Watts)	
			$\Delta T50$	$\Delta T30$
690	1.22	450	301	161
	1.22	600	386	207
1230	1.25	450	522	276
	1.25	600	669	353
1703	1.25	450	733	387
	1.25	600	940	497

CRYSTAL CHROME - STRAIGHT & CURVED

Height (mm)	'n'	Length (mm)	Heat Output (Watts)	
			$\Delta T50$	$\Delta T30$
690	1.23	450	195	104
	1.24	600	251	133
1230	1.26	450	356	187
	1.27	600	464	242
1703	1.29	450	494	256
	1.29	600	644	333

NOTE:

All outputs are in accordance with BS EN442 certification.

'n' = average exponent value.

Weights and Water Content

All models

EDGE

Height (mm)	No. of Elements	Dry Weight (kgs)			Water Content (ltr/m)		
		Width (mm)			Width (mm)		
		500	600	750	500	600	750
800	16	9.3	10.7	12.9	3.3	3.6	4
1200	24	13.8	16	19.3	4.8	5.2	6
1800	39	22	25,6	30.9	7.7	8.5	9.8

GROOVE

Height (mm)	No. of Elements	Dry Weight (kgs)			Water Content (ltr/m)		
		Width (mm)			Width (mm)		
		500	600	750	500	600	750
800	16	9	10.4	12.6	3.6	4	4.6
1200	24	13.1	15.7	18.9	5.4	6	6.9
1800	37	20.8	24	30	8.1	9	10.5

CRYSTAL STRAIGHT

Height (mm)	No. of Elements	Dry Weight (kgs)		Water Content (ltr/m)	
		Width (mm)		Width (mm)	
		450	600	450	600
690	14	5.1	6.2	2.9	3.6
1230	25	10.1	11.3	5.6	6.8
1703	35	-	15.4	-	9.0

CRYSTAL CURVED

Height (mm)	No. of Elements	Dry Weight (kgs)		Water Content (ltr/m)	
		Width (mm)		Width (mm)	
		450	600	450	600
690	14	5.1	6.2	2.9	3.6
1230	25	10.1	11.3	5.6	6.8
1703	35	-	15.4	-	9.0

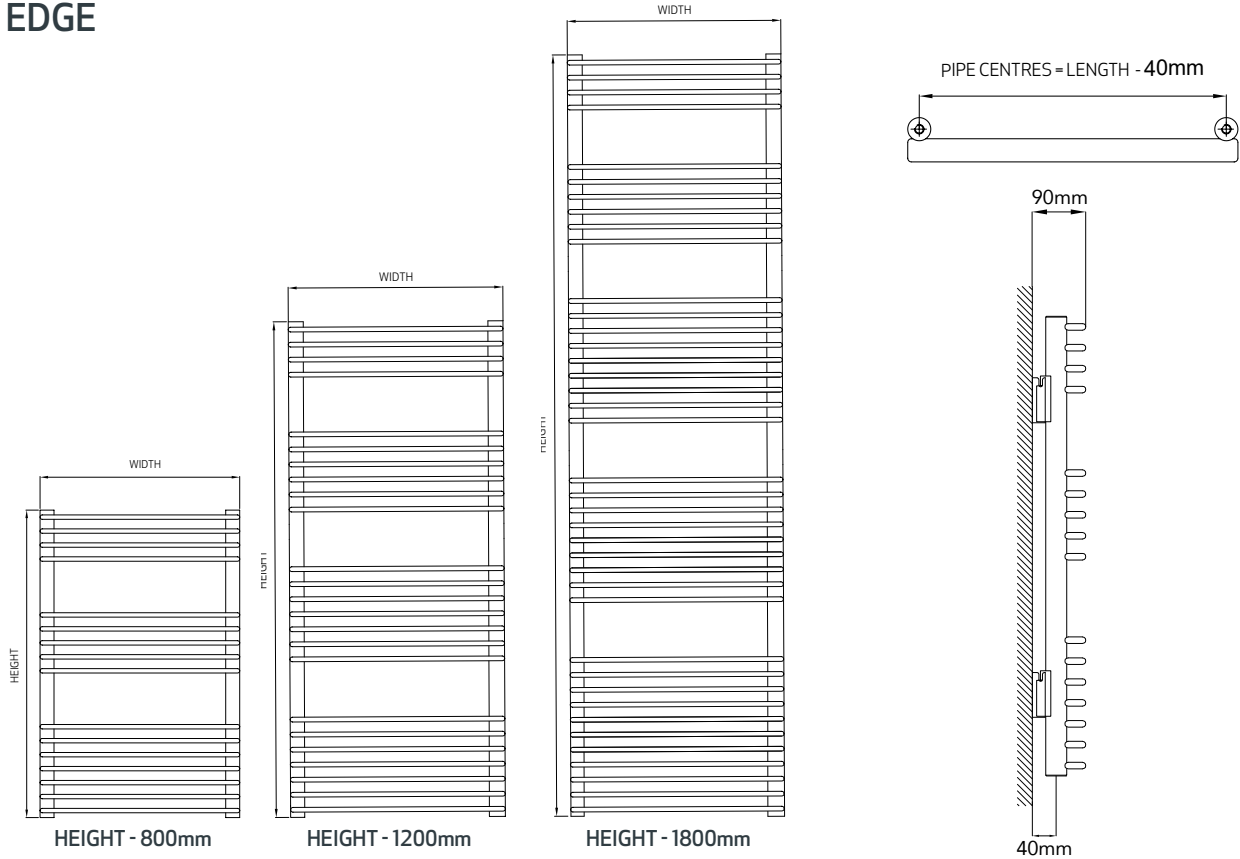
Recommended Electrical Element for Edge & Groove			
Height (mm)	800	1200	1800
All widths	200 Watt	300 Watt	300 Watt
Part Number	EE002	EE003	EE003

Crystal - Optional Electric Elements			
Towel rail height	<800mm high	<1230mm high	<1800mm high
Non-thermostatic	200W	300W/400W	600W
Thermostatic	150W	300W	600W

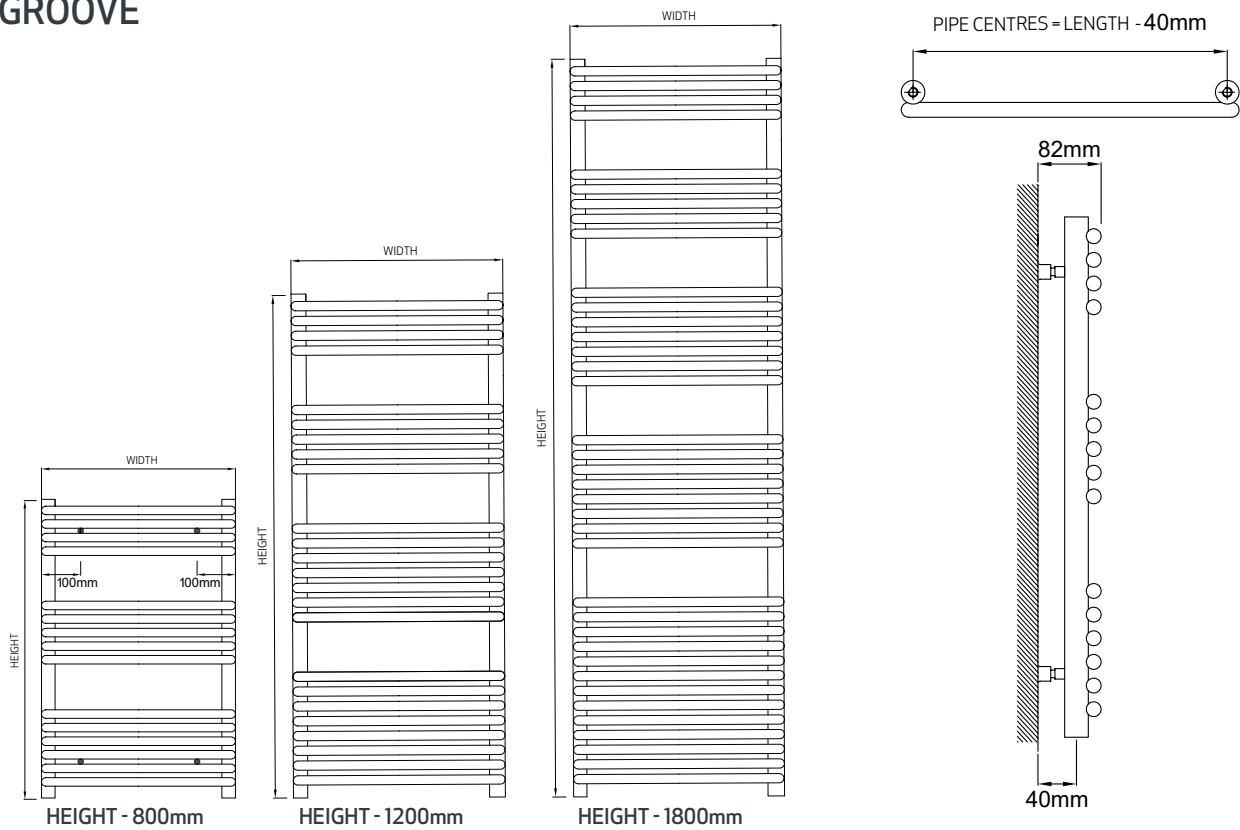
Dimensional Information

Edge & Groove models

EDGE



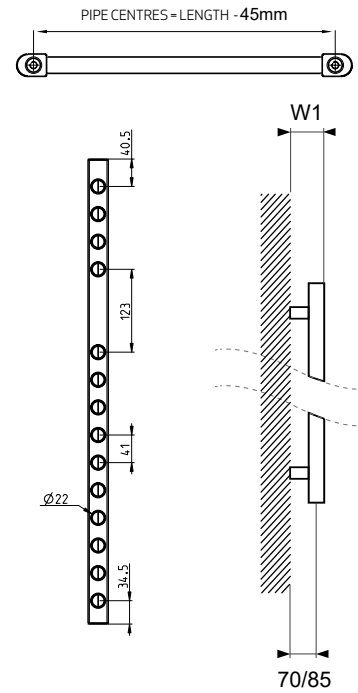
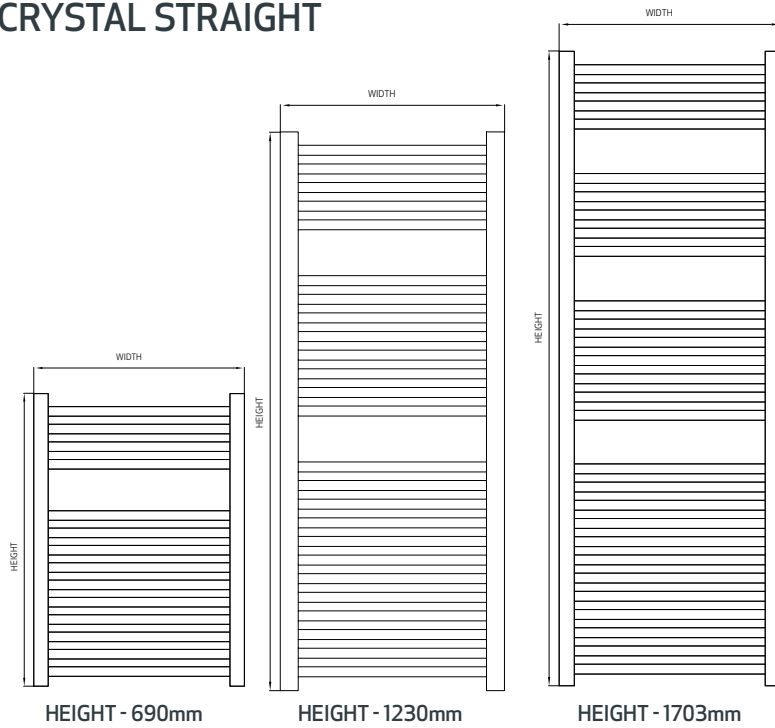
GROOVE



Dimensional Information

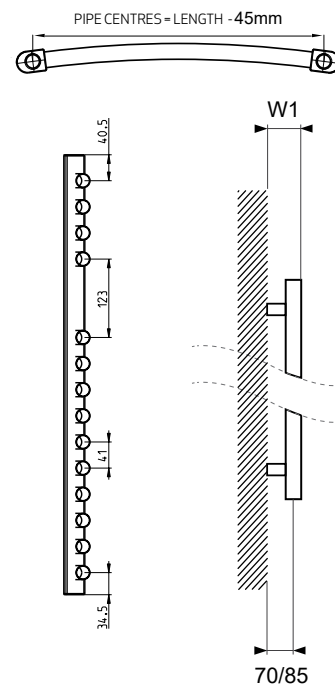
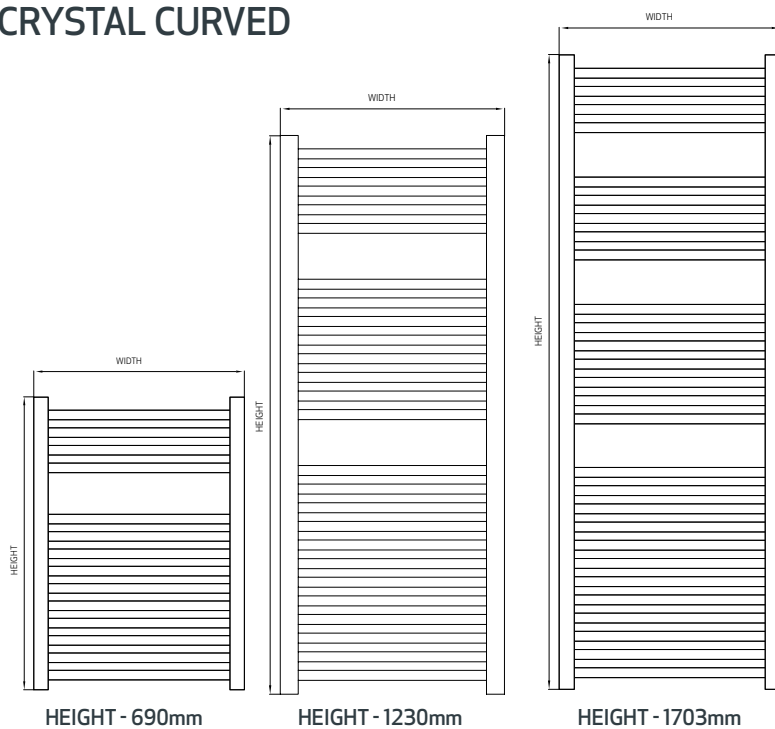
Crystal models

CRYSTAL STRAIGHT



Width (mm)	W1 (mm)
500	100/115
600	103/118

CRYSTAL CURVED

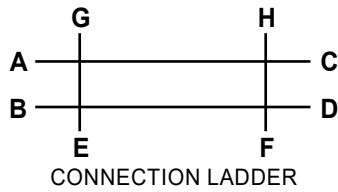


Width (mm)	W1 (mm)
500	100/115
600	103/118

Connection Options

CONNECTION VARIATIONS

Standard connections on all towel warmers are 4 x 1/2" connections at **E, F, G** and **H**.



DUAL FUEL ADAPTOR KIT

Consists of a dual fuel element and a T-Piece (illustrated below) and can be used on all towel warmers to achieve heat when the central heating is not being used, during summer months for example.

Dual Fuel Adaptor Kits can be retrofitted if necessary. The size of dual fuel element will depend on the size of the towel warmer and its heat output.

Fig. 1

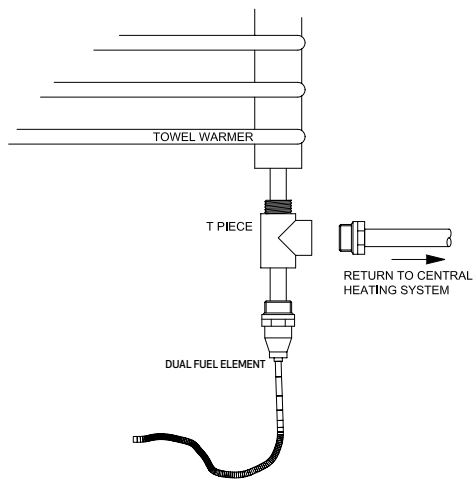
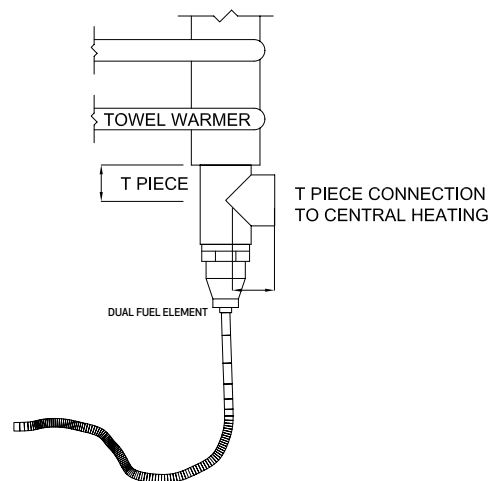


Fig. 2



Correction Factors

How to calculate a corrected output

1. Calculate the Delta T including air temperature - example:
 Mean Water Temperature (MWT) = $(^{\circ}\text{C Flow} + ^{\circ}\text{C Return}) / 2 = (65 + 55) / 2 = 60^{\circ}\text{C}$
 Required Air Temperature = 21°C
 Delta T (ΔT) = Mean Water Temperature - Required Air Temperature = $60 - 21 = 39^{\circ}\text{C}$
2. Note the Delta T 50 output shown for the specific size you require.
3. Locate the Exponent ('n') for the product you have selected within the Correction Factor table and your calculated Delta T (ΔT).
4. Multiply the Delta T 50 output noted, by the correction factor shown.

Outputs stated within this catalogue are shown at $\Delta T 50^{\circ}\text{C}$ and also calculated at $\Delta T 30^{\circ}\text{C}$.

Multiplying factors required to calculate outputs at different Delta Ts (ΔT s) between 15°C and 60°C are shown in the Correction Factor tables overleaf.

EXAMPLE:

Radiator selected =

Edge, 800mm (Height) x 600mm (Width)

Delta T of System (ΔT) =

39°C

Exponent ('n') =

1.20

Output @ Delta T50 =

504(w)

Corrected Output =

$504(w) \times 0.7429$ (Correction Factor) = $374(w)$ at $\Delta T 39$

Height (mm)	'n'	Length (mm)	Heat Output	
			$\Delta T 50$	$\Delta T 30$
800	1.21	500	434	234
	1.20	600	504	274
	1.18	750	609	333

Product example: Edge extracted from page 06.

Correction Factors

Edge

ΔT	H 800			H 1200			H 1800		
	L 500	L 600	L 750	L 500	L 600	L 750	L 500	L 600	L 750
	Exponent 'n'								
	1.2101	1.1962	1.1814	1.2206	1.2043	1.1871	1.2403	1.2195	1.1977
60	1.2469	1.2437	1.2404	1.2492	1.2455	1.2416	1.2537	1.2490	1.2440
59	1.2218	1.2189	1.2160	1.2239	1.2206	1.2171	1.2279	1.2237	1.2193
58	1.1967	1.1943	1.1917	1.1986	1.1957	1.1927	1.2021	1.1984	1.1945
57	1.1718	1.1697	1.1674	1.1734	1.1709	1.1683	1.1765	1.1733	1.1699
56	1.1470	1.1452	1.1433	1.1484	1.1462	1.1440	1.1509	1.1482	1.1454
55	1.1222	1.1208	1.1192	1.1234	1.1216	1.1198	1.1255	1.1233	1.1209
54	1.0976	1.0964	1.0952	1.0985	1.0971	1.0957	1.1002	1.0984	1.0966
53	1.0731	1.0722	1.0713	1.0737	1.0727	1.0716	1.0749	1.0736	1.0723
52	1.0486	1.0480	1.0474	1.0490	1.0484	1.0477	1.0498	1.0490	1.0481
51	1.0243	1.0240	1.0237	1.0245	1.0241	1.0238	1.0249	1.0244	1.0240
50	1	1	1	1	1	1	1	1	1
49	0.9758	0.9761	0.9764	0.9756	0.9760	0.9763	0.9753	0.9757	0.9761
48	0.9518	0.9523	0.9529	0.9514	0.9520	0.9527	0.9506	0.9514	0.9523
47	0.9279	0.9287	0.9295	0.9273	0.9282	0.9292	0.9261	0.9273	0.9286
46	0.9040	0.9051	0.9062	0.9032	0.9045	0.9058	0.9017	0.9033	0.9050
45	0.8803	0.8816	0.8830	0.8793	0.8808	0.8824	0.8775	0.8794	0.8814
44	0.8567	0.8582	0.8598	0.8555	0.8573	0.8592	0.8534	0.8557	0.8580
43	0.8332	0.8349	0.8368	0.8319	0.8339	0.8361	0.8294	0.8320	0.8347
42	0.8098	0.8118	0.8138	0.8083	0.8106	0.8130	0.8055	0.8085	0.8115
41	0.7865	0.7887	0.7910	0.7849	0.7874	0.7901	0.7818	0.7850	0.7885
40	0.7634	0.7657	0.7683	0.7616	0.7643	0.7673	0.7582	0.7618	0.7655
39	0.7403	0.7429	0.7456	0.7384	0.7414	0.7446	0.7348	0.7386	0.7426
38	0.7174	0.7202	0.7231	0.7154	0.7186	0.7220	0.7115	0.7156	0.7199
37	0.6946	0.6975	0.7007	0.6924	0.6959	0.6995	0.6883	0.6927	0.6972
36	0.6720	0.6751	0.6783	0.6697	0.6733	0.6771	0.6653	0.6699	0.6747
35	0.6495	0.6527	0.6561	0.6470	0.6508	0.6548	0.6425	0.6473	0.6523
34	0.6271	0.6304	0.6341	0.6245	0.6285	0.6327	0.6198	0.6248	0.6301
33	0.6048	0.6083	0.6121	0.6022	0.6063	0.6106	0.5973	0.6025	0.6079
32	0.5827	0.5863	0.5902	0.5800	0.5842	0.5887	0.5749	0.5803	0.5860
31	0.5608	0.5645	0.5685	0.5579	0.5623	0.5670	0.5527	0.5582	0.5641
30	0.5389	0.5428	0.5469	0.5361	0.5405	0.5453	0.5307	0.5364	0.5424
29	0.5173	0.5212	0.5254	0.5143	0.5189	0.5238	0.5088	0.5146	0.5208
28	0.4958	0.4998	0.5041	0.4928	0.4974	0.5024	0.4872	0.4931	0.4993
27	0.4744	0.4785	0.4829	0.4714	0.4761	0.4812	0.4657	0.4717	0.4781
26	0.4532	0.4574	0.4618	0.4501	0.4550	0.4601	0.4444	0.4505	0.4569
25	0.4322	0.4364	0.4409	0.4291	0.4340	0.4392	0.4233	0.4294	0.4360
24	0.4114	0.4156	0.4202	0.4082	0.4132	0.4184	0.4024	0.4086	0.4152
23	0.3908	0.3950	0.3996	0.3876	0.3925	0.3978	0.3817	0.3879	0.3945
22	0.3703	0.3745	0.3791	0.3671	0.3721	0.3773	0.3612	0.3674	0.3741
21	0.3500	0.3543	0.3588	0.3468	0.3518	0.3571	0.3410	0.3472	0.3538
20	0.3300	0.3342	0.3387	0.3268	0.3317	0.3370	0.3209	0.3271	0.3337
19	0.3101	0.3143	0.3188	0.3070	0.3118	0.3171	0.3012	0.3073	0.3138
18	0.2905	0.2946	0.2991	0.2874	0.2922	0.2974	0.2816	0.2877	0.2942
17	0.2710	0.2751	0.2796	0.2680	0.2727	0.2779	0.2624	0.2683	0.2747
16	0.2519	0.2559	0.2602	0.2489	0.2535	0.2586	0.2434	0.2492	0.2555
15	0.2330	0.2369	0.2411	0.2300	0.2346	0.2395	0.2246	0.2303	0.2365

Correction Factors

Groove

ΔT	H 800			H 1200			H 1800		
	L 500	L 600	L 750	L 500	L 600	L 750	L 500	L 600	L 750
	Exponent 'n'								
	1.2194	1.1988	1.1776	1.2263	1.2025	1.1781	1.2375	1.2087	1.179
60	1.2490	1.2443	1.2395	1.2505	1.2451	1.2396	1.2531	1.2465	1.2398
59	1.2236	1.2195	1.2152	1.2250	1.2202	1.2153	1.2273	1.2215	1.2155
58	1.1984	1.1947	1.1910	1.1996	1.1954	1.1911	1.2016	1.1965	1.1912
57	1.1732	1.1701	1.1668	1.1743	1.1707	1.1669	1.1760	1.1716	1.1671
56	1.1482	1.1455	1.1428	1.1491	1.1460	1.1428	1.1506	1.1468	1.1430
55	1.1232	1.1210	1.1188	1.1240	1.1214	1.1188	1.1252	1.1221	1.1189
54	1.0984	1.0967	1.0949	1.0990	1.0970	1.0949	1.0999	1.0975	1.0950
53	1.0736	1.0724	1.0710	1.0741	1.0726	1.0711	1.0748	1.0730	1.0711
52	1.0490	1.0481	1.0473	1.0493	1.0483	1.0473	1.0497	1.0485	1.0473
51	1.0244	1.0240	1.0236	1.0246	1.0241	1.0236	1.0248	1.0242	1.0236
50	1	1	1	1	1	1	1	1	1
49	0.9757	0.9761	0.9765	0.9755	0.9760	0.9765	0.9753	0.9759	0.9765
48	0.9514	0.9522	0.9531	0.9512	0.9521	0.9530	0.9507	0.9519	0.9530
47	0.9273	0.9285	0.9297	0.9269	0.9283	0.9297	0.9263	0.9279	0.9296
46	0.9033	0.9049	0.9065	0.9028	0.9046	0.9064	0.9020	0.9041	0.9064
45	0.8794	0.8813	0.8833	0.8788	0.8810	0.8833	0.8778	0.8804	0.8832
44	0.8557	0.8579	0.8602	0.8549	0.8575	0.8602	0.8537	0.8568	0.8601
43	0.8320	0.8346	0.8373	0.8311	0.8341	0.8372	0.8297	0.8334	0.8371
42	0.8085	0.8114	0.8144	0.8075	0.8109	0.8143	0.8059	0.8100	0.8142
41	0.7851	0.7883	0.7916	0.7840	0.7877	0.7915	0.7822	0.7867	0.7914
40	0.7618	0.7653	0.7689	0.7606	0.7647	0.7688	0.7587	0.7636	0.7687
39	0.7386	0.7424	0.7463	0.7374	0.7417	0.7462	0.7353	0.7406	0.7461
38	0.7156	0.7196	0.7238	0.7142	0.7189	0.7237	0.7120	0.7177	0.7236
37	0.6927	0.6970	0.7015	0.6913	0.6962	0.7014	0.6889	0.6949	0.7012
36	0.6699	0.6745	0.6792	0.6684	0.6737	0.6791	0.6660	0.6723	0.6789
35	0.6473	0.6521	0.6570	0.6457	0.6512	0.6569	0.6431	0.6498	0.6567
34	0.6248	0.6298	0.6350	0.6232	0.6289	0.6349	0.6205	0.6274	0.6346
33	0.6025	0.6077	0.6130	0.6008	0.6067	0.6129	0.5980	0.6052	0.6127
32	0.5803	0.5857	0.5912	0.5785	0.5847	0.5911	0.5756	0.5831	0.5909
31	0.5583	0.5638	0.5695	0.5564	0.5628	0.5694	0.5535	0.5611	0.5692
30	0.5364	0.5421	0.5480	0.5345	0.5410	0.5478	0.5314	0.5393	0.5476
29	0.5147	0.5205	0.5265	0.5127	0.5194	0.5264	0.5096	0.5177	0.5261
28	0.4931	0.4990	0.5052	0.4911	0.4980	0.5051	0.4880	0.4962	0.5048
27	0.4717	0.4777	0.4840	0.4697	0.4767	0.4839	0.4665	0.4748	0.4836
26	0.4505	0.4566	0.4630	0.4485	0.4555	0.4628	0.4452	0.4537	0.4626
25	0.4295	0.4356	0.4421	0.4274	0.4345	0.4419	0.4241	0.4327	0.4417
24	0.4086	0.4148	0.4213	0.4065	0.4137	0.4212	0.4032	0.4118	0.4209
23	0.3879	0.3942	0.4007	0.3859	0.3931	0.4006	0.3825	0.3912	0.4003
22	0.3675	0.3737	0.3803	0.3654	0.3726	0.3801	0.3621	0.3707	0.3799
21	0.3472	0.3535	0.3600	0.3451	0.3523	0.3599	0.3418	0.3504	0.3596
20	0.3272	0.3334	0.3399	0.3251	0.3323	0.3398	0.3218	0.3304	0.3395
19	0.3073	0.3135	0.3200	0.3053	0.3124	0.3198	0.3020	0.3105	0.3196
18	0.2877	0.2938	0.3003	0.2857	0.2927	0.3001	0.2824	0.2909	0.2998
17	0.2683	0.2744	0.2807	0.2663	0.2733	0.2806	0.2632	0.2715	0.2803
16	0.2492	0.2551	0.2614	0.2473	0.2541	0.2612	0.2441	0.2523	0.2610
15	0.2304	0.2361	0.2422	0.2285	0.2351	0.2421	0.2254	0.2333	0.2418

Correction Factors

Crystal

ΔT	Curved & Straight White						Curved & Straight Chrome					
	H 690		H 1230		H 1703		H 690		H 1230		H 1703	
	L 450	L 600	L 450	L 600	L 450	L 600	L 450	L 600	L 450	L 600	L 450	L 600
	Exponent 'n'											
	1.2232	1.2202	1.2479	1.25	1.2518	1.2546	1.2343	1.2415	1.2631	1.2691	1.2899	1.2887
60	1.2498	1.2492	1.2555	1.2560	1.2564	1.2570	1.2524	1.2540	1.2590	1.2603	1.2651	1.2649
59	1.2244	1.2238	1.2294	1.2299	1.2302	1.2308	1.2267	1.2281	1.2325	1.2337	1.2380	1.2378
58	1.1991	1.1985	1.2035	1.2039	1.2042	1.2047	1.2010	1.2023	1.2062	1.2073	1.2110	1.2108
57	1.1738	1.1734	1.1776	1.1780	1.1782	1.1787	1.1755	1.1767	1.1800	1.1809	1.1841	1.1839
56	1.1487	1.1483	1.1519	1.1522	1.1524	1.1528	1.1501	1.1511	1.1539	1.1547	1.1574	1.1573
55	1.1237	1.1233	1.1263	1.1265	1.1267	1.1270	1.1248	1.1256	1.1279	1.1286	1.1308	1.1307
54	1.0987	1.0985	1.1008	1.1010	1.1011	1.1014	1.0997	1.1003	1.1021	1.1026	1.1044	1.1043
53	1.0739	1.0737	1.0754	1.0756	1.0757	1.0758	1.0746	1.0750	1.0764	1.0768	1.0781	1.0780
52	1.0491	1.0490	1.0502	1.0502	1.0503	1.0504	1.0496	1.0499	1.0508	1.0510	1.0519	1.0518
51	1.0245	1.0245	1.0250	1.0251	1.0251	1.0252	1.0247	1.0249	1.0253	1.0254	1.0259	1.0258
50	1	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
49	0.9756	0.9757	0.9751	0.9751	0.9750	0.9750	0.9754	0.9752	0.9748	0.9747	0.9743	0.9743
48	0.9513	0.9514	0.9503	0.9503	0.9502	0.9501	0.9509	0.9506	0.9497	0.9495	0.9487	0.9488
47	0.9271	0.9273	0.9257	0.9256	0.9255	0.9253	0.9265	0.9261	0.9248	0.9245	0.9233	0.9234
46	0.9030	0.9033	0.9012	0.9010	0.9009	0.9007	0.9022	0.9017	0.9000	0.8996	0.8980	0.8981
45	0.8791	0.8794	0.8768	0.8766	0.8764	0.8762	0.8781	0.8774	0.8754	0.8748	0.8729	0.8730
44	0.8552	0.8556	0.8526	0.8523	0.8521	0.8518	0.8540	0.8532	0.8509	0.8502	0.8480	0.8481
43	0.8315	0.8319	0.8284	0.8282	0.8280	0.8276	0.8301	0.8292	0.8265	0.8258	0.8232	0.8234
42	0.8079	0.8084	0.8045	0.8042	0.8039	0.8035	0.8064	0.8054	0.8023	0.8015	0.7986	0.7988
41	0.7845	0.7849	0.7806	0.7803	0.7800	0.7796	0.7827	0.7816	0.7783	0.7774	0.7742	0.7743
40	0.7611	0.7616	0.7569	0.7566	0.7563	0.7558	0.7592	0.7580	0.7544	0.7534	0.7499	0.7501
39	0.7379	0.7385	0.7334	0.7330	0.7327	0.7322	0.7359	0.7346	0.7306	0.7296	0.7258	0.7260
38	0.7148	0.7154	0.7100	0.7096	0.7093	0.7087	0.7127	0.7113	0.7071	0.7059	0.7019	0.7021
37	0.6919	0.6925	0.6868	0.6863	0.6860	0.6854	0.6896	0.6881	0.6836	0.6824	0.6781	0.6784
36	0.6691	0.6698	0.6637	0.6632	0.6628	0.6622	0.6667	0.6651	0.6604	0.6591	0.6546	0.6549
35	0.6464	0.6471	0.6408	0.6403	0.6399	0.6392	0.6439	0.6422	0.6373	0.6359	0.6312	0.6315
34	0.6239	0.6246	0.6180	0.6175	0.6171	0.6164	0.6212	0.6195	0.6144	0.6130	0.6081	0.6084
33	0.6015	0.6023	0.5954	0.5949	0.5944	0.5937	0.5988	0.5970	0.5917	0.5902	0.5851	0.5854
32	0.5793	0.5801	0.5730	0.5724	0.5720	0.5713	0.5765	0.5746	0.5691	0.5676	0.5623	0.5626
31	0.5573	0.5581	0.5507	0.5502	0.5497	0.5490	0.5543	0.5524	0.5467	0.5452	0.5398	0.5401
30	0.5353	0.5362	0.5286	0.5281	0.5276	0.5268	0.5323	0.5304	0.5245	0.5229	0.5174	0.5177
29	0.5136	0.5144	0.5067	0.5062	0.5057	0.5049	0.5105	0.5085	0.5026	0.5009	0.4953	0.4956
28	0.4920	0.4929	0.4850	0.4844	0.4839	0.4831	0.4889	0.4868	0.4808	0.4791	0.4734	0.4737
27	0.4706	0.4715	0.4635	0.4629	0.4624	0.4616	0.4674	0.4653	0.4592	0.4575	0.4517	0.4520
26	0.4494	0.4503	0.4422	0.4416	0.4411	0.4402	0.4461	0.4440	0.4378	0.4361	0.4302	0.4305
25	0.4283	0.4292	0.4211	0.4204	0.4199	0.4191	0.4250	0.4229	0.4166	0.4149	0.4090	0.4093
24	0.4075	0.4084	0.4001	0.3995	0.3990	0.3982	0.4042	0.4020	0.3957	0.3940	0.3880	0.3883
23	0.3868	0.3877	0.3795	0.3788	0.3783	0.3775	0.3835	0.3813	0.3750	0.3733	0.3673	0.3676
22	0.3663	0.3672	0.3590	0.3584	0.3578	0.3570	0.3630	0.3609	0.3545	0.3528	0.3468	0.3472
21	0.3461	0.3470	0.3387	0.3381	0.3376	0.3368	0.3427	0.3406	0.3343	0.3326	0.3266	0.3270
20	0.3260	0.3269	0.3187	0.3181	0.3176	0.3168	0.3227	0.3206	0.3143	0.3126	0.3067	0.3070
19	0.3062	0.3071	0.2990	0.2984	0.2978	0.2970	0.3029	0.3008	0.2946	0.2929	0.2871	0.2874
18	0.2866	0.2875	0.2795	0.2789	0.2783	0.2775	0.2834	0.2813	0.2751	0.2735	0.2677	0.2680
17	0.2672	0.2681	0.2602	0.2596	0.2591	0.2583	0.2641	0.2620	0.2560	0.2543	0.2487	0.2490
16	0.2481	0.2490	0.2413	0.2407	0.2402	0.2394	0.2450	0.2430	0.2371	0.2355	0.2300	0.2303
15	0.2293	0.2301	0.2226	0.2220	0.2215	0.2208	0.2263	0.2243	0.2186	0.2170	0.2116	0.2119

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