

Decoral Ten

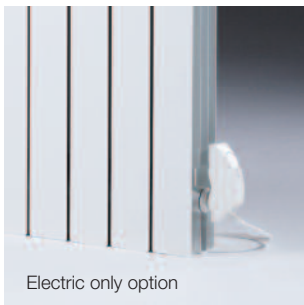
Die cast aluminium high output low water content radiators



Decoral Ten

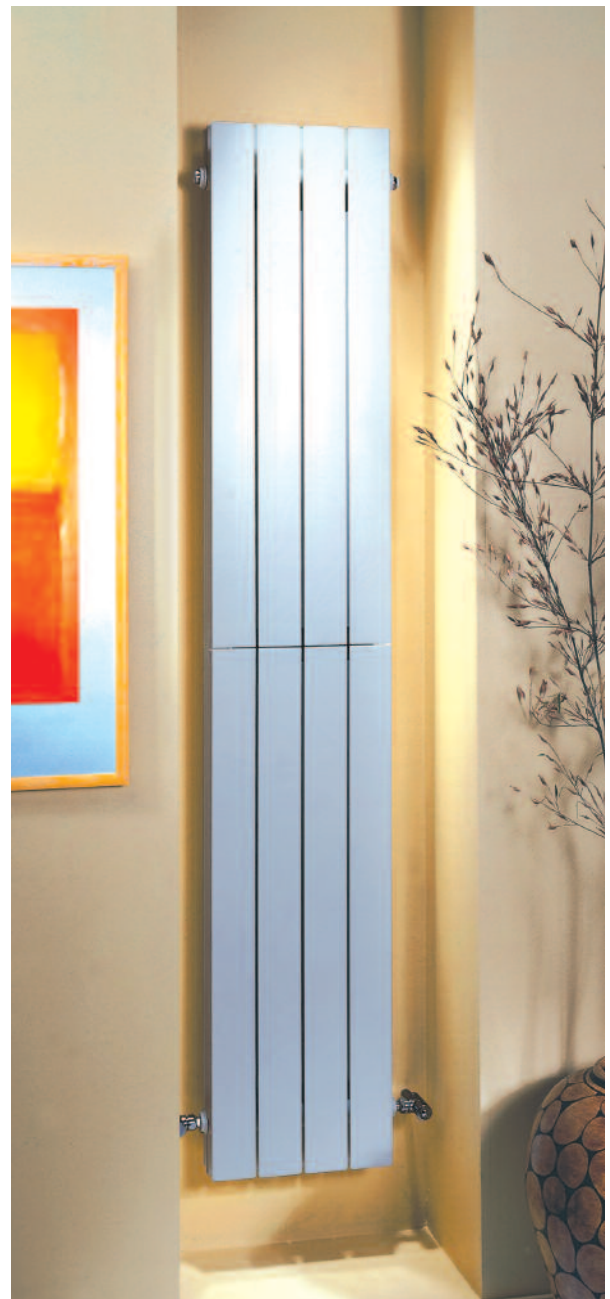
Aluminium, the favoured alternative for heating engineers all over Southern Europe, has finally come of age in the UK. The new Decoral Ten from MHS brings together the benefits of aluminium with designer style, to create a highly practical and beautiful heat emitter. Decoral Ten is easy to handle during transportation, installation and subsequent redecoration of the room. For those who love column rads but don't really have the space, Decoral Ten is the futuristic, chic alternative.

This new die-cast sectional model is also lightweight



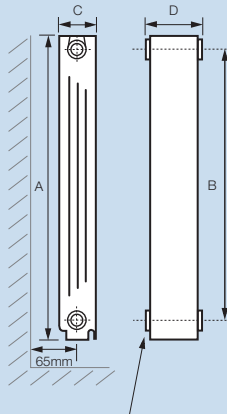
Electric only option

and has a higher output for its size than many conventional panel radiators, allowing you to specify a smaller radiator and still achieve a comfortable, warm environment.



The modular design of this unusual aluminium radiator ensures exact sizing according to the required output, and makes for easy installation. With the Total Protection System the internal surfaces of each radiator are treated with a special inert aluminium oxide coating, which prevents galvanic action and ensures longevity. Each Decoral Ten carries a ten-year guarantee and comes in six heights from 420mm to 1800mm and lengths from 240mm in sectional increments to 2000mm. Ever versatile, the permutations on Decoral Ten are even greater as extra sections can be added on site, to create a truly tailor-made designer service.

Single Section Output (Watts)/Dimensions



Note: Please allow 10mm each end of radiator for bushes.

Model	D350	D500	D600	D700	D800	D1620
Height A	420	570	670	770	870	1800
Centres B	350	500	600	700	800	1620
Depth C	80	80	80	80	80	80
Width D	100	100	100	100	100	80
Output EN442 90/70/20 Δt 60°C	127	171	196	221	245	346
Output EN442 82/71/21 Δt 55.5°C	116	155	177	200	221	313
Water Content Per Section Litres	0.34	0.41	0.48	0.54	0.58	1.05
Weight per Section - kg	1.20	1.55	1.81	2.06	2.36	4.07
Maximum Factory Assembled Lengths	20	20	20	20	20	8
Maximum Final Working Pressure - BAR	6	6	6	6	6	6
Maximum Test Pressure - BAR	7.8	7.8	7.8	7.8	7.8	7.8

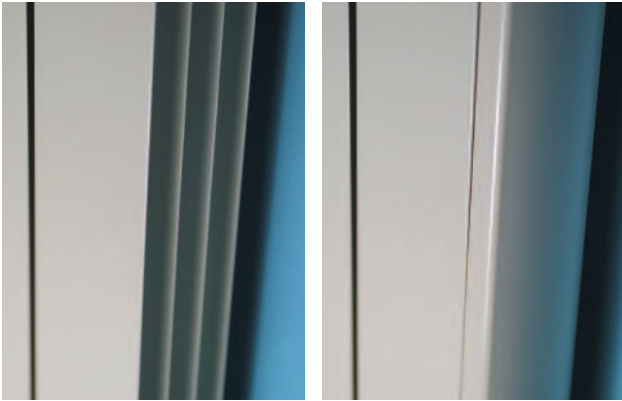
Outputs 75/65/20 Δt 50°C EN442

Length (mm)		Height 420	Height 570	Height 670	Height 770	Height 870	Length (mm)	Height 1800
300	Part NR	350-03	500-03	600-03	700-03	800-03	240	1620-03
	Watts	303	405	465	525	579		819
400	Part NR	350-04	500-04	600-04	700-04	800-04	320	1620-04
	Watts	404	540	620	700	722		1092
500	Part NR	350-05	500-05	600-05	700-05	800-05	400	1620-05
	Watts	505	675	775	875	965		1365
600	Part NR	350-06	500-06	600-06	700-06	800-06	480	1620-06
	Watts	606	810	930	1050	1158		1638
700	Part NR	350-07	500-07	600-07	700-07	800-07	560	1620-07
	Watts	707	945	1085	1225	1351		1911
800	Part NR	350-08	500-08	600-08	700-08	800-08	640	1620-08
	Watts	808	1080	1240	1400	1544		2184
900	Part NR	350-09	500-09	600-09	700-09	800-09	-	N/A
	Watts	909	1215	1395	1575	1737		
1000	Part NR	350-10	500-10	600-10	700-10	800-10	-	N/A
	Watts	1010	1350	1550	1750	1930		
1100	Part NR	350-11	500-11	600-11	700-11	800-11	-	N/A
	Watts	1111	1485	1705	1925	2123		
1200	Part NR	350-12	500-12	600-12	700-12	800-12	-	N/A
	Watts	1212	1620	1860	2100	2316		
1300	Part NR	350-13	500-13	600-13	700-13	800-13	-	N/A
	Watts	1313	1755	2015	2275	2590		
1400	Part NR	350-14	500-14	600-14	700-14	800-14	-	N/A
	Watts	1414	1890	2170	2450	2702		
1500	Part NR	350-15	500-15	600-15	700-15	800-15	-	N/A
	Watts	1515	2025	2325	2625	2895		
1600	Part NR	350-16	500-16	600-16	700-16	800-16	-	N/A
	Watts	1616	2160	2480	2800	3088		
1700	Part NR	350-17	500-17	600-17	700-17	800-17	-	N/A
	Watts	1717	2295	2635	2975	3281		
1800	Part NR	350-18	500-18	600-18	700-18	800-18	-	N/A
	Watts	1818	2430	2790	3150	3474		
1900	Part NR	350-19	500-19	600-19	700-19	800-19	-	N/A
	Watts	1919	2565	2945	3325	3667		
2000	Part NR	350-20	500-20	600-20	700-20	800-20	-	N/A
	Watts	2020	2700	3100	3500	3860		

Further lengths are possible by joining sections.

⊗ = Thermostatically adjustable electric only operation available (end panels N/A with this option)

Optional End Panels



Without end panel fitted

With end panel fitted

With optional end panels for a sleeker look, and a choice of wall or floor fixings, Decoral Ten is both beautiful and versatile.

Radiator Valves



Gyro Angled Valve

Radius Angled Valve

Solar Angled Valve

Gyro TRV Valve

The finished look of a Decoral Ten radiator may be enhanced by the addition of an MHS Design Valve. We have featured below, just a few from our extensive range of radiator valves. Please refer to our Radiator Valves brochure for more ideas.

Water Treatment

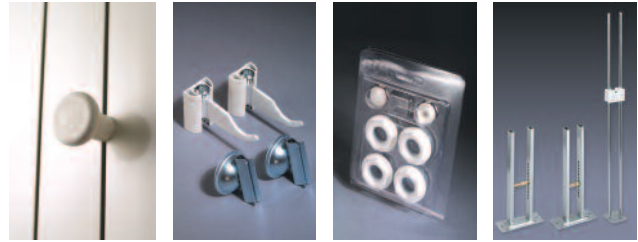
These products are for use on closed heating systems only; they are not suitable for installation on secondary HWS circuits.

On completion of the installation the entire system MUST be thoroughly cleaned and flushed to remove debris/flux residues etc. If a chemical cleanser is used, it must be thoroughly flushed from the system. Following this, the system MUST be dosed with a good eminence water treatment to prevent corrosion.

System design, flushing and dosing must be in accordance with BS 5449: 1990, BS EN 12828 & 12831: 2003 and BS 7593: 2006 **IMPORTANT:** Failure to observe these requirements will render the guarantee on the product void.

Corrosion inhibitor must be used in accordance with the manufacturer's instructions and recommendations and should take into account the particular metals within the system.

Decoral Ten Accessories



Hanging knob for Hi-Line

Wall brackets / spacers

Fittings pack

Floor brackets

Total Protection

Its special coating, the Total Protection System, ensures that Decoral Ten can be safely installed in any central heating system. A two step process results in a protective coating of 36-37 microns, to provide a highly resistant and enduring internal surface. Decoral Ten is supplied powder coated in **RAL 9010 warm white** finish as standard, with other MHS RAL colours available on request.

Please note it is not possible to finish the end panels in any other colour.

Protective aluminium oxide coating (Total Protection System)
Aluminium structure
Powder coated finish



Correction Factor Table

Δt	CF
60	1.267
59	1.240
58	1.213
57	1.186
56	1.159
55.5	1.145
55	1.132
54	1.105
53	1.079
52	1.052
51	1.026
50	1.000
45	0.872
40	0.748
35	0.629

The outputs shown within this brochure are based on BS EN442, 75-65-20°C operating conditions, giving a Δt of 50°C, for Δt 's other than this, a correction factor must be applied.

Example: Output required @ 82-71-21°C Δt 55.5 the CF = 1.145, therefore multiply the listed output by the correction factor to give actual radiator output under these operating conditions.



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