

 **Castrads**[®]
Declaration of Performance

No. 202009-1106

Mercury 4 Column 960mm

Unique product code:	CI-M4C-960
Type, batch or serial number:	CI-M4C-960
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA
Test report number:	104331/1

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 x maximum operating pressure [kPa]	
Surface temperature	Maximum 120°C	
Resistance to pressure	No breakage at 1.69 x maximum operating pressure [kPa] Maximum operating pressure: 1000 [kPa]	EN 442-1:2014
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$. See appendix for factor K_m and exponent n	
Resistance against corrosion	No corrosion after 100h humidity	
Resistance against minor impact:	Class 0	

Signed for and on behalf of the manufacturer by:

Nicholas Baylis
CEO
Stockport, England
25th May 2026





Appendix to DOP No. 202009-1106: Dimensions and thermal outputs

Panel dimensions: 960mm high when floor standing, 140mm deep for all numbers of sections. See table for length.

SKU	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	Factor, Km	Exponent, n
CI-M4C-960-03	3	205	367	187	2.135	1.3156
CI-M4C-960-04	4	263	489	250	2.846	1.3156
CI-M4C-960-05	5	322	611	312	3.558	1.3156
CI-M4C-960-06	6	380	734	375	4.269	1.3156
CI-M4C-960-07	7	438	856	437	4.981	1.3156
CI-M4C-960-08	8	496	978	500	5.692	1.3156
CI-M4C-960-09	9	555	1101	562	6.404	1.3156
CI-M4C-960-10	10	613	1223	624	7.115	1.3156
CI-M4C-960-11	11	671	1345	687	7.827	1.3156
CI-M4C-960-12	12	730	1467	749	8.538	1.3156
CI-M4C-960-13	13	788	1590	812	9.250	1.3156
CI-M4C-960-14	14	846	1712	874	9.961	1.3156
CI-M4C-960-15	15	905	1834	937	10.673	1.3156
CI-M4C-960-16	16	963	1956	999	11.384	1.3156
CI-M4C-960-17	17	1021	2079	1062	12.096	1.3156
CI-M4C-960-18	18	1079	2201	1124	12.808	1.3156
CI-M4C-960-19	19	1138	2323	1186	13.519	1.3156
CI-M4C-960-20	20	1196	2446	1249	14.231	1.3156
CI-M4C-960-21	21	1254	2568	1311	14.942	1.3156
CI-M4C-960-22	22	1313	2690	1374	15.654	1.3156
CI-M4C-960-23	23	1371	2812	1436	16.365	1.3156
CI-M4C-960-24	24	1429	2935	1499	17.077	1.3156
CI-M4C-960-25	25	1488	3057	1561	17.788	1.3156
CI-M4C-960-26	26	1546	3179	1624	18.500	1.3156
CI-M4C-960-27	27	1604	3302	1686	19.211	1.3156
CI-M4C-960-28	28	1662	3424	1748	19.923	1.3156
CI-M4C-960-29	29	1721	3546	1811	20.634	1.3156
CI-M4C-960-30	30	1779	3668	1873	21.346	1.3156
CI-M4C-960-31	31	1837	3791	1936	22.057	1.3156
CI-M4C-960-32	32	1896	3913	1998	22.769	1.3156
CI-M4C-960-33	33	1954	4035	2061	23.480	1.3156
CI-M4C-960-34	34	2012	4158	2123	24.192	1.3156
CI-M4C-960-35	35	2071	4280	2186	24.904	1.3156
CI-M4C-960-36	36	2129	4402	2248	25.615	1.3156
CI-M4C-960-37	37	2187	4524	2310	26.327	1.3156
CI-M4C-960-38	38	2245	4647	2373	27.038	1.3156
CI-M4C-960-39	39	2304	4769	2435	27.750	1.3156
CI-M4C-960-40	40	2362	4891	2498	28.461	1.3156