

# Castrads®

## Declaration of Performance

No. 202009-1106

### Mercury 4 Column 960mm

<b>Unique product code:</b>	CI-M4C-960
<b>Type, batch or serial number:</b>	CI-M4C-960
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	BSRIA
<b>Test report number:</b>	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  
9th July 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	366	188	2.258	1.3009
CI-M4C-960-04	4	263	488	251	3.010	1.3009
CI-M4C-960-05	5	322	611	314	3.763	1.3009
CI-M4C-960-06	6	380	733	377	4.516	1.3009
CI-M4C-960-07	7	438	855	440	5.268	1.3009
CI-M4C-960-08	8	496	977	503	6.021	1.3009
CI-M4C-960-09	9	555	1099	565	6.773	1.3009
CI-M4C-960-10	10	613	1221	628	7.526	1.3009
CI-M4C-960-11	11	671	1343	691	8.279	1.3009
CI-M4C-960-12	12	730	1465	754	9.031	1.3009
CI-M4C-960-13	13	788	1587	817	9.784	1.3009
CI-M4C-960-14	14	846	1710	880	10.536	1.3009
CI-M4C-960-15	15	905	1832	942	11.289	1.3009
CI-M4C-960-16	16	963	1954	1005	12.042	1.3009
CI-M4C-960-17	17	1021	2076	1068	12.794	1.3009
CI-M4C-960-18	18	1079	2198	1131	13.547	1.3009
CI-M4C-960-19	19	1138	2320	1194	14.299	1.3009
CI-M4C-960-20	20	1196	2442	1257	15.052	1.3009
CI-M4C-960-21	21	1254	2564	1319	15.805	1.3009
CI-M4C-960-22	22	1313	2686	1382	16.557	1.3009
CI-M4C-960-23	23	1371	2809	1445	17.310	1.3009
CI-M4C-960-24	24	1429	2931	1508	18.062	1.3009
CI-M4C-960-25	25	1488	3053	1571	18.815	1.3009
CI-M4C-960-26	26	1546	3175	1634	19.568	1.3009
CI-M4C-960-27	27	1604	3297	1696	20.320	1.3009
CI-M4C-960-28	28	1662	3419	1759	21.073	1.3009
CI-M4C-960-29	29	1721	3541	1822	21.825	1.3009
CI-M4C-960-30	30	1779	3663	1885	22.578	1.3009
CI-M4C-960-31	31	1837	3785	1948	23.331	1.3009
CI-M4C-960-32	32	1896	3908	2010	24.083	1.3009
CI-M4C-960-33	33	1954	4030	2073	24.836	1.3009
CI-M4C-960-34	34	2012	4152	2136	25.588	1.3009
CI-M4C-960-35	35	2071	4274	2199	26.341	1.3009
CI-M4C-960-36	36	2129	4396	2262	27.094	1.3009
CI-M4C-960-37	37	2187	4518	2325	27.846	1.3009
CI-M4C-960-38	38	2245	4640	2387	28.599	1.3009
CI-M4C-960-39	39	2304	4762	2450	29.351	1.3009
CI-M4C-960-40	40	2362	4884	2513	30.104	1.3009