

Castrads®

Declaration of Performance

No. 202009-1101

Mercury 4 Column 360mm

Unique product code:	CI-M4C-360
Type, batch or serial number:	CI-M4C-360
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:	103146A1PS

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
30th April 2026





Appendix to DOP No. 202009-1101: Dimensions and thermal outputs

Panel dimensions: 360mm 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-360-03	3	205	132	71	1.107	1.2220
CI-M4C-360-04	4	263	176	94	1.476	1.2220
CI-M4C-360-05	5	322	220	118	1.845	1.2220
CI-M4C-360-06	6	380	264	141	2.214	1.2220
CI-M4C-360-07	7	438	308	165	2.582	1.2220
CI-M4C-360-08	8	496	352	188	2.951	1.2220
CI-M4C-360-09	9	555	396	212	3.320	1.2220
CI-M4C-360-10	10	613	440	235	3.689	1.2220
CI-M4C-360-11	11	671	484	259	4.058	1.2220
CI-M4C-360-12	12	730	528	283	4.427	1.2220
CI-M4C-360-13	13	788	572	306	4.796	1.2220
CI-M4C-360-14	14	846	615	330	5.165	1.2220
CI-M4C-360-15	15	905	659	353	5.534	1.2220
CI-M4C-360-16	16	963	703	377	5.903	1.2220
CI-M4C-360-17	17	1021	747	400	6.272	1.2220
CI-M4C-360-18	18	1079	791	424	6.641	1.2220
CI-M4C-360-19	19	1138	835	447	7.009	1.2220
CI-M4C-360-20	20	1196	879	471	7.378	1.2220
CI-M4C-360-21	21	1254	923	495	7.747	1.2220
CI-M4C-360-22	22	1313	967	518	8.116	1.2220
CI-M4C-360-23	23	1371	1011	542	8.485	1.2220
CI-M4C-360-24	24	1429	1055	565	8.854	1.2220
CI-M4C-360-25	25	1488	1099	589	9.223	1.2220
CI-M4C-360-26	26	1546	1143	612	9.592	1.2220
CI-M4C-360-27	27	1604	1187	636	9.961	1.2220
CI-M4C-360-28	28	1662	1231	659	10.330	1.2220
CI-M4C-360-29	29	1721	1275	683	10.699	1.2220
CI-M4C-360-30	30	1779	1319	706	11.068	1.2220
CI-M4C-360-31	31	1837	1363	730	11.437	1.2220
CI-M4C-360-32	32	1896	1407	754	11.805	1.2220
CI-M4C-360-33	33	1954	1451	777	12.174	1.2220
CI-M4C-360-34	34	2012	1495	801	12.543	1.2220
CI-M4C-360-35	35	2071	1539	824	12.912	1.2220
CI-M4C-360-36	36	2129	1583	848	13.281	1.2220
CI-M4C-360-37	37	2187	1627	871	13.650	1.2220
CI-M4C-360-38	38	2245	1671	895	14.019	1.2220
CI-M4C-360-39	39	2304	1715	918	14.388	1.2220
CI-M4C-360-40	40	2362	1758	942	14.757	1.2220