

Castrads®

Declaration of Performance

No. 202009-1008

Florence 2 Column 1500mm

Unique product code:	SMC-F2C-1502
Type, batch or serial number:	SMC-F2C-1502
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:	Politecnico di Milano
Test report number:	ENE/MRT.RES.01003_A

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
24th April 2026





Appendix to DOP No. 202009-1008: Dimensions and thermal outputs

Panel dimensions: 1602mm high when floor standing, 67mm 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
SMC-F2C-1502-03	3	165	309	156	1.685	1.3322
SMC-F2C-1502-04	4	210	412	209	2.247	1.3322
SMC-F2C-1502-05	5	255	515	261	2.808	1.3322
SMC-F2C-1502-06	6	300	618	313	3.370	1.3322
SMC-F2C-1502-07	7	345	721	365	3.931	1.3322
SMC-F2C-1502-08	8	390	824	417	4.493	1.3322
SMC-F2C-1502-09	9	435	927	469	5.055	1.3322
SMC-F2C-1502-10	10	480	1030	522	5.616	1.3322
SMC-F2C-1502-11	11	525	1133	574	6.178	1.3322
SMC-F2C-1502-12	12	570	1236	626	6.740	1.3322
SMC-F2C-1502-13	13	615	1339	678	7.301	1.3322
SMC-F2C-1502-14	14	660	1442	730	7.863	1.3322
SMC-F2C-1502-15	15	705	1545	782	8.425	1.3322
SMC-F2C-1502-16	16	750	1648	834	8.986	1.3322
SMC-F2C-1502-17	17	795	1751	887	9.548	1.3322
SMC-F2C-1502-18	18	840	1854	939	10.110	1.3322
SMC-F2C-1502-19	19	885	1957	991	10.671	1.3322
SMC-F2C-1502-20	20	930	2060	1043	11.233	1.3322
SMC-F2C-1502-21	21	975	2163	1095	11.794	1.3322
SMC-F2C-1502-22	22	1020	2266	1147	12.356	1.3322
SMC-F2C-1502-23	23	1065	2369	1200	12.918	1.3322
SMC-F2C-1502-24	24	1110	2472	1252	13.479	1.3322
SMC-F2C-1502-25	25	1155	2575	1304	14.041	1.3322
SMC-F2C-1502-26	26	1200	2678	1356	14.603	1.3322
SMC-F2C-1502-27	27	1245	2781	1408	15.164	1.3322
SMC-F2C-1502-28	28	1290	2884	1460	15.726	1.3322
SMC-F2C-1502-29	29	1335	2987	1512	16.288	1.3322
SMC-F2C-1502-30	30	1380	3090	1565	16.849	1.3322
SMC-F2C-1502-31	31	1425	3193	1617	17.411	1.3322
SMC-F2C-1502-32	32	1470	3296	1669	17.972	1.3322
SMC-F2C-1502-33	33	1515	3399	1721	18.534	1.3322
SMC-F2C-1502-34	34	1560	3502	1773	19.096	1.3322
SMC-F2C-1502-35	35	1605	3605	1825	19.657	1.3322
SMC-F2C-1502-36	36	1650	3708	1878	20.219	1.3322
SMC-F2C-1502-37	37	1695	3811	1930	20.781	1.3322
SMC-F2C-1502-38	38	1740	3914	1982	21.342	1.3322
SMC-F2C-1502-39	39	1785	4017	2034	21.904	1.3322
SMC-F2C-1502-40	40	1830	4120	2086	22.466	1.3322