

 **Castrads**[®]
Declaration of Performance

No. 202009-1068

Florence 6 Column 1500mm

Unique product code:	SMC-F6C-1502
Type, batch or serial number:	SMC-F6C-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_C

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 May 2026





Appendix to DOP No. 202009-1068: Dimensions and thermal outputs

Panel dimensions: 1602mm high when floor standing, 217mm 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-F6C-1502-03	3	165	777	391	4.019	1.3458
SMC-F6C-1502-04	4	210	1036	521	5.358	1.3458
SMC-F6C-1502-05	5	255	1295	651	6.698	1.3458
SMC-F6C-1502-06	6	300	1554	782	8.037	1.3458
SMC-F6C-1502-07	7	345	1813	912	9.377	1.3458
SMC-F6C-1502-08	8	390	2073	1042	10.716	1.3458
SMC-F6C-1502-09	9	435	2332	1172	12.056	1.3458
SMC-F6C-1502-10	10	480	2591	1303	13.396	1.3458
SMC-F6C-1502-11	11	525	2850	1433	14.735	1.3458
SMC-F6C-1502-12	12	570	3109	1563	16.075	1.3458
SMC-F6C-1502-13	13	615	3368	1694	17.414	1.3458
SMC-F6C-1502-14	14	660	3627	1824	18.754	1.3458
SMC-F6C-1502-15	15	705	3886	1954	20.093	1.3458
SMC-F6C-1502-16	16	750	4145	2084	21.433	1.3458
SMC-F6C-1502-17	17	795	4404	2215	22.772	1.3458
SMC-F6C-1502-18	18	840	4663	2345	24.112	1.3458
SMC-F6C-1502-19	19	885	4922	2475	25.451	1.3458
SMC-F6C-1502-20	20	930	5181	2605	26.791	1.3458
SMC-F6C-1502-21	21	975	5440	2736	28.131	1.3458
SMC-F6C-1502-22	22	1020	5700	2866	29.470	1.3458
SMC-F6C-1502-23	23	1065	5959	2996	30.810	1.3458
SMC-F6C-1502-24	24	1110	6218	3127	32.149	1.3458
SMC-F6C-1502-25	25	1155	6477	3257	33.489	1.3458
SMC-F6C-1502-26	26	1200	6736	3387	34.828	1.3458
SMC-F6C-1502-27	27	1245	6995	3517	36.168	1.3458
SMC-F6C-1502-28	28	1290	7254	3648	37.507	1.3458
SMC-F6C-1502-29	29	1335	7513	3778	38.847	1.3458
SMC-F6C-1502-30	30	1380	7772	3908	40.187	1.3458
SMC-F6C-1502-31	31	1425	8031	4038	41.526	1.3458
SMC-F6C-1502-32	32	1470	8290	4169	42.866	1.3458
SMC-F6C-1502-33	33	1515	8549	4299	44.205	1.3458
SMC-F6C-1502-34	34	1560	8808	4429	45.545	1.3458
SMC-F6C-1502-35	35	1605	9067	4560	46.884	1.3458
SMC-F6C-1502-36	36	1650	9326	4690	48.224	1.3458
SMC-F6C-1502-37	37	1695	9586	4820	49.563	1.3458
SMC-F6C-1502-38	38	1740	9845	4950	50.903	1.3458
SMC-F6C-1502-39	39	1785	10104	5081	52.242	1.3458
SMC-F6C-1502-40	40	1830	10363	5211	53.582	1.3458