

 **Castrads**[®]
Declaration of Performance

No. 202009-1066

Florence 6 Column 1000mm

Unique product code:	SMC-F6C-1002
Type, batch or serial number:	SMC-F6C-1002
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
8th June 2026





Appendix to DOP No. 202009-1066: Dimensions and thermal outputs

Panel dimensions: 1102mm 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-1002-03	3	165	537	264	2.356	1.3877
SMC-F6C-1002-04	4	210	716	352	3.141	1.3877
SMC-F6C-1002-05	5	255	895	440	3.926	1.3877
SMC-F6C-1002-06	6	300	1074	528	4.711	1.3877
SMC-F6C-1002-07	7	345	1252	616	5.496	1.3877
SMC-F6C-1002-08	8	390	1431	705	6.281	1.3877
SMC-F6C-1002-09	9	435	1610	793	7.067	1.3877
SMC-F6C-1002-10	10	480	1789	881	7.852	1.3877
SMC-F6C-1002-11	11	525	1968	969	8.637	1.3877
SMC-F6C-1002-12	12	570	2147	1057	9.422	1.3877
SMC-F6C-1002-13	13	615	2326	1145	10.207	1.3877
SMC-F6C-1002-14	14	660	2505	1233	10.992	1.3877
SMC-F6C-1002-15	15	705	2684	1321	11.778	1.3877
SMC-F6C-1002-16	16	750	2863	1409	12.563	1.3877
SMC-F6C-1002-17	17	795	3042	1497	13.348	1.3877
SMC-F6C-1002-18	18	840	3221	1585	14.133	1.3877
SMC-F6C-1002-19	19	885	3399	1673	14.918	1.3877
SMC-F6C-1002-20	20	930	3578	1761	15.703	1.3877
SMC-F6C-1002-21	21	975	3757	1849	16.489	1.3877
SMC-F6C-1002-22	22	1020	3936	1937	17.274	1.3877
SMC-F6C-1002-23	23	1065	4115	2025	18.059	1.3877
SMC-F6C-1002-24	24	1110	4294	2114	18.844	1.3877
SMC-F6C-1002-25	25	1155	4473	2202	19.629	1.3877
SMC-F6C-1002-26	26	1200	4652	2290	20.414	1.3877
SMC-F6C-1002-27	27	1245	4831	2378	21.200	1.3877
SMC-F6C-1002-28	28	1290	5010	2466	21.985	1.3877
SMC-F6C-1002-29	29	1335	5189	2554	22.770	1.3877
SMC-F6C-1002-30	30	1380	5368	2642	23.555	1.3877
SMC-F6C-1002-31	31	1425	5547	2730	24.340	1.3877
SMC-F6C-1002-32	32	1470	5725	2818	25.125	1.3877
SMC-F6C-1002-33	33	1515	5904	2906	25.911	1.3877
SMC-F6C-1002-34	34	1560	6083	2994	26.696	1.3877
SMC-F6C-1002-35	35	1605	6262	3082	27.481	1.3877
SMC-F6C-1002-36	36	1650	6441	3170	28.266	1.3877
SMC-F6C-1002-37	37	1695	6620	3258	29.051	1.3877
SMC-F6C-1002-38	38	1740	6799	3346	29.836	1.3877
SMC-F6C-1002-39	39	1785	6978	3434	30.622	1.3877
SMC-F6C-1002-40	40	1830	7157	3523	31.407	1.3877