

 **Castrads**[®]
Declaration of Performance

No. 202009-1039

Florence 4 Column 1800mm

Unique product code:	SMC-F4C-1802
Type, batch or serial number:	SMC-F4C-1802
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.ITPL.01005

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
25th April 2026





Appendix to DOP No. 202009-1039: Dimensions and thermal outputs

Panel dimensions: 1902mm high when floor standing, 141mm 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-F4C-1802-03	3	165	648	330	3.696	1.3208
SMC-F4C-1802-04	4	210	864	440	4.927	1.3208
SMC-F4C-1802-05	5	255	1080	550	6.159	1.3208
SMC-F4C-1802-06	6	300	1296	660	7.391	1.3208
SMC-F4C-1802-07	7	345	1512	770	8.623	1.3208
SMC-F4C-1802-08	8	390	1728	880	9.855	1.3208
SMC-F4C-1802-09	9	435	1944	990	11.087	1.3208
SMC-F4C-1802-10	10	480	2160	1100	12.318	1.3208
SMC-F4C-1802-11	11	525	2376	1210	13.550	1.3208
SMC-F4C-1802-12	12	570	2592	1320	14.782	1.3208
SMC-F4C-1802-13	13	615	2808	1430	16.014	1.3208
SMC-F4C-1802-14	14	660	3024	1540	17.246	1.3208
SMC-F4C-1802-15	15	705	3240	1650	18.478	1.3208
SMC-F4C-1802-16	16	750	3457	1760	19.709	1.3208
SMC-F4C-1802-17	17	795	3673	1870	20.941	1.3208
SMC-F4C-1802-18	18	840	3889	1981	22.173	1.3208
SMC-F4C-1802-19	19	885	4105	2091	23.405	1.3208
SMC-F4C-1802-20	20	930	4321	2201	24.637	1.3208
SMC-F4C-1802-21	21	975	4537	2311	25.869	1.3208
SMC-F4C-1802-22	22	1020	4753	2421	27.100	1.3208
SMC-F4C-1802-23	23	1065	4969	2531	28.332	1.3208
SMC-F4C-1802-24	24	1110	5185	2641	29.564	1.3208
SMC-F4C-1802-25	25	1155	5401	2751	30.796	1.3208
SMC-F4C-1802-26	26	1200	5617	2861	32.028	1.3208
SMC-F4C-1802-27	27	1245	5833	2971	33.260	1.3208
SMC-F4C-1802-28	28	1290	6049	3081	34.492	1.3208
SMC-F4C-1802-29	29	1335	6265	3191	35.723	1.3208
SMC-F4C-1802-30	30	1380	6481	3301	36.955	1.3208
SMC-F4C-1802-31	31	1425	6697	3411	38.187	1.3208
SMC-F4C-1802-32	32	1470	6913	3521	39.419	1.3208
SMC-F4C-1802-33	33	1515	7129	3631	40.651	1.3208
SMC-F4C-1802-34	34	1560	7345	3741	41.883	1.3208
SMC-F4C-1802-35	35	1605	7561	3851	43.114	1.3208
SMC-F4C-1802-36	36	1650	7777	3961	44.346	1.3208
SMC-F4C-1802-37	37	1695	7993	4071	45.578	1.3208
SMC-F4C-1802-38	38	1740	8209	4181	46.810	1.3208
SMC-F4C-1802-39	39	1785	8425	4291	48.042	1.3208
SMC-F4C-1802-40	40	1830	8641	4401	49.274	1.3208