

 **Castrads**[®]
Declaration of Performance

No. 202009-1046

Florence 4 Column 500mm

Unique product code:	SMC-F4C-502
Type, batch or serial number:	SMC-F4C-502
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
1st July 2026





Appendix to DOP No. 202009-1046: Dimensions and thermal outputs

Panel dimensions: 602mm 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-502-03	3	165	201	104	1.310	1.2863
SMC-F4C-502-04	4	210	268	139	1.746	1.2863
SMC-F4C-502-05	5	255	334	173	2.183	1.2863
SMC-F4C-502-06	6	300	401	208	2.619	1.2863
SMC-F4C-502-07	7	345	468	243	3.056	1.2863
SMC-F4C-502-08	8	390	535	277	3.492	1.2863
SMC-F4C-502-09	9	435	602	312	3.929	1.2863
SMC-F4C-502-10	10	480	669	347	4.365	1.2863
SMC-F4C-502-11	11	525	736	381	4.802	1.2863
SMC-F4C-502-12	12	570	803	416	5.238	1.2863
SMC-F4C-502-13	13	615	870	451	5.675	1.2863
SMC-F4C-502-14	14	660	937	485	6.111	1.2863
SMC-F4C-502-15	15	705	1003	520	6.548	1.2863
SMC-F4C-502-16	16	750	1070	555	6.984	1.2863
SMC-F4C-502-17	17	795	1137	590	7.421	1.2863
SMC-F4C-502-18	18	840	1204	624	7.857	1.2863
SMC-F4C-502-19	19	885	1271	659	8.294	1.2863
SMC-F4C-502-20	20	930	1338	694	8.730	1.2863
SMC-F4C-502-21	21	975	1405	728	9.167	1.2863
SMC-F4C-502-22	22	1020	1472	763	9.603	1.2863
SMC-F4C-502-23	23	1065	1539	798	10.040	1.2863
SMC-F4C-502-24	24	1110	1606	832	10.476	1.2863
SMC-F4C-502-25	25	1155	1672	867	10.913	1.2863
SMC-F4C-502-26	26	1200	1739	902	11.349	1.2863
SMC-F4C-502-27	27	1245	1806	936	11.786	1.2863
SMC-F4C-502-28	28	1290	1873	971	12.222	1.2863
SMC-F4C-502-29	29	1335	1940	1006	12.659	1.2863
SMC-F4C-502-30	30	1380	2007	1040	13.095	1.2863
SMC-F4C-502-31	31	1425	2074	1075	13.532	1.2863
SMC-F4C-502-32	32	1470	2141	1110	13.968	1.2863
SMC-F4C-502-33	33	1515	2208	1144	14.405	1.2863
SMC-F4C-502-34	34	1560	2275	1179	14.841	1.2863
SMC-F4C-502-35	35	1605	2341	1214	15.278	1.2863
SMC-F4C-502-36	36	1650	2408	1248	15.714	1.2863
SMC-F4C-502-37	37	1695	2475	1283	16.151	1.2863
SMC-F4C-502-38	38	1740	2542	1318	16.587	1.2863
SMC-F4C-502-39	39	1785	2609	1352	17.024	1.2863
SMC-F4C-502-40	40	1830	2676	1387	17.460	1.2863