

Castrads®

Declaration of Performance

No. 202009-1023

Florence 3 Column 1500mm

Unique product code:	SMC-F3C-1502
Type, batch or serial number:	SMC-F3C-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.ITPL.01004

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 June 2026





Appendix to DOP No. 202009-1023: Dimensions and thermal outputs

Panel dimensions: 1602mm high when floor standing, 103mm 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-F3C-1502-03	3	165	425	216	2.339	1.3300
SMC-F3C-1502-04	4	210	567	287	3.119	1.3300
SMC-F3C-1502-05	5	255	709	359	3.899	1.3300
SMC-F3C-1502-06	6	300	850	431	4.679	1.3300
SMC-F3C-1502-07	7	345	992	503	5.458	1.3300
SMC-F3C-1502-08	8	390	1134	575	6.238	1.3300
SMC-F3C-1502-09	9	435	1276	647	7.018	1.3300
SMC-F3C-1502-10	10	480	1417	719	7.798	1.3300
SMC-F3C-1502-11	11	525	1559	790	8.577	1.3300
SMC-F3C-1502-12	12	570	1701	862	9.357	1.3300
SMC-F3C-1502-13	13	615	1843	934	10.137	1.3300
SMC-F3C-1502-14	14	660	1984	1006	10.917	1.3300
SMC-F3C-1502-15	15	705	2126	1078	11.696	1.3300
SMC-F3C-1502-16	16	750	2268	1150	12.476	1.3300
SMC-F3C-1502-17	17	795	2410	1222	13.256	1.3300
SMC-F3C-1502-18	18	840	2551	1293	14.036	1.3300
SMC-F3C-1502-19	19	885	2693	1365	14.815	1.3300
SMC-F3C-1502-20	20	930	2835	1437	15.595	1.3300
SMC-F3C-1502-21	21	975	2977	1509	16.375	1.3300
SMC-F3C-1502-22	22	1020	3118	1581	17.155	1.3300
SMC-F3C-1502-23	23	1065	3260	1653	17.934	1.3300
SMC-F3C-1502-24	24	1110	3402	1725	18.714	1.3300
SMC-F3C-1502-25	25	1155	3544	1796	19.494	1.3300
SMC-F3C-1502-26	26	1200	3685	1868	20.274	1.3300
SMC-F3C-1502-27	27	1245	3827	1940	21.053	1.3300
SMC-F3C-1502-28	28	1290	3969	2012	21.833	1.3300
SMC-F3C-1502-29	29	1335	4111	2084	22.613	1.3300
SMC-F3C-1502-30	30	1380	4252	2156	23.393	1.3300
SMC-F3C-1502-31	31	1425	4394	2227	24.172	1.3300
SMC-F3C-1502-32	32	1470	4536	2299	24.952	1.3300
SMC-F3C-1502-33	33	1515	4678	2371	25.732	1.3300
SMC-F3C-1502-34	34	1560	4819	2443	26.512	1.3300
SMC-F3C-1502-35	35	1605	4961	2515	27.291	1.3300
SMC-F3C-1502-36	36	1650	5103	2587	28.071	1.3300
SMC-F3C-1502-37	37	1695	5244	2659	28.851	1.3300
SMC-F3C-1502-38	38	1740	5386	2730	29.631	1.3300
SMC-F3C-1502-39	39	1785	5528	2802	30.410	1.3300
SMC-F3C-1502-40	40	1830	5670	2874	31.190	1.3300