Declaration of Performance

No. 202009-1050

Florence 4 Column 900mm

Unique product code:	SMC-F4C-902
Type, batch or serial number:	SMC-F4C-902
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	EN 442-1:2014
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]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \bullet \Delta T^n$. See appendix for factor Km 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
15th October 2026

Castrads®

Appendix to DOP No. 202009-1050: Dimensions and thermal outputs

Panel dimensions: 1002mm 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-902-03	3	165	343	173	1.795	1.3428
SMC-F4C-902-04	4	210	457	230	2.393	1.3428
SMC-F4C-902-05	5	255	572	288	2.991	1.3428
SMC-F4C-902-06	6	300	686	345	3.589	1.3428
SMC-F4C-902-07	7	345	800	403	4.187	1.3428
SMC-F4C-902-08	8	390	915	461	4.786	1.3428
SMC-F4C-902-09	9	435	1029	518	5.384	1.3428
SMC-F4C-902-10	10	480	1143	576	5.982	1.3428
SMC-F4C-902-11	11	525	1258	633	6.580	1.3428
SMC-F4C-902-12	12	570	1372	691	7.179	1.3428
SMC-F4C-902-13	13	615	1486	749	7.777	1.3428
SMC-F4C-902-14	14	660	1601	806	8.375	1.3428
SMC-F4C-902-15	15	705	1715	864	8.973	1.3428
SMC-F4C-902-16	16	750	1829	921	9.571	1.3428
SMC-F4C-902-17	17	795	1944	979	10.170	1.3428
SMC-F4C-902-18	18	840	2058	1036	10.768	1.3428
SMC-F4C-902-19	19	885	2172	1094	11.366	1.3428
SMC-F4C-902-20	20	930	2287	1152	11.964	1.3428
SMC-F4C-902-21	21	975	2401	1209	12.562	1.3428
SMC-F4C-902-22	22	1020	2515	1267	13.161	1.3428
SMC-F4C-902-23	23	1065	2630	1324	13.759	1.3428
SMC-F4C-902-24	24	1110	2744	1382	14.357	1.3428
SMC-F4C-902-25	25	1155	2858	1440	14.955	1.3428
SMC-F4C-902-26	26	1200	2973	1497	15.553	1.3428
SMC-F4C-902-27	27	1245	3087	1555	16.152	1.3428
SMC-F4C-902-28	28	1290	3201	1612	16.750	1.3428
SMC-F4C-902-29	29	1335	3316	1670	17.348	1.3428
SMC-F4C-902-30	30	1380	3430	1727	17.946	1.3428
SMC-F4C-902-31	31	1425	3544	1785	18.545	1.3428
SMC-F4C-902-32	32	1470	3659	1843	19.143	1.3428
SMC-F4C-902-33	33	1515	3773	1900	19.741	1.3428
SMC-F4C-902-34	34	1560	3887	1958	20.339	1.3428
SMC-F4C-902-35	35	1605	4002	2015	20.937	1.3428
SMC-F4C-902-36	36	1650	4116	2073	21.536	1.3428
SMC-F4C-902-37	37	1695	4230	2130	22.134	1.3428
SMC-F4C-902-38	38	1740	4345	2188	22.732	1.3428
SMC-F4C-902-39	39	1785	4459	2246	23.330	1.3428
SMC-F4C-902-40	40	1830	4573	2303	23.928	1.3428