

Castrads®

Declaration of Performance

No. 202009-1030

Florence 3 Column 400mm

Unique product code:	SMC-F3C-402
Type, batch or serial number:	SMC-F3C-402
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
25th May 2026





Appendix to DOP No. 202009-1030: Dimensions and thermal outputs

Panel dimensions: 502mm 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-402-03	3	165	126	66	0.915	1.2591
SMC-F3C-402-04	4	210	168	88	1.220	1.2591
SMC-F3C-402-05	5	255	210	110	1.526	1.2591
SMC-F3C-402-06	6	300	252	133	1.831	1.2591
SMC-F3C-402-07	7	345	294	155	2.136	1.2591
SMC-F3C-402-08	8	390	336	177	2.441	1.2591
SMC-F3C-402-09	9	435	378	199	2.746	1.2591
SMC-F3C-402-10	10	480	420	221	3.051	1.2591
SMC-F3C-402-11	11	525	462	243	3.356	1.2591
SMC-F3C-402-12	12	570	504	265	3.661	1.2591
SMC-F3C-402-13	13	615	546	287	3.967	1.2591
SMC-F3C-402-14	14	660	588	309	4.272	1.2591
SMC-F3C-402-15	15	705	630	331	4.577	1.2591
SMC-F3C-402-16	16	750	672	353	4.882	1.2591
SMC-F3C-402-17	17	795	715	376	5.187	1.2591
SMC-F3C-402-18	18	840	757	398	5.492	1.2591
SMC-F3C-402-19	19	885	799	420	5.797	1.2591
SMC-F3C-402-20	20	930	841	442	6.102	1.2591
SMC-F3C-402-21	21	975	883	464	6.408	1.2591
SMC-F3C-402-22	22	1020	925	486	6.713	1.2591
SMC-F3C-402-23	23	1065	967	508	7.018	1.2591
SMC-F3C-402-24	24	1110	1009	530	7.323	1.2591
SMC-F3C-402-25	25	1155	1051	552	7.628	1.2591
SMC-F3C-402-26	26	1200	1093	574	7.933	1.2591
SMC-F3C-402-27	27	1245	1135	596	8.238	1.2591
SMC-F3C-402-28	28	1290	1177	619	8.543	1.2591
SMC-F3C-402-29	29	1335	1219	641	8.848	1.2591
SMC-F3C-402-30	30	1380	1261	663	9.154	1.2591
SMC-F3C-402-31	31	1425	1303	685	9.459	1.2591
SMC-F3C-402-32	32	1470	1345	707	9.764	1.2591
SMC-F3C-402-33	33	1515	1387	729	10.069	1.2591
SMC-F3C-402-34	34	1560	1429	751	10.374	1.2591
SMC-F3C-402-35	35	1605	1471	773	10.679	1.2591
SMC-F3C-402-36	36	1650	1513	795	10.984	1.2591
SMC-F3C-402-37	37	1695	1555	817	11.289	1.2591
SMC-F3C-402-38	38	1740	1597	840	11.595	1.2591
SMC-F3C-402-39	39	1785	1639	862	11.900	1.2591
SMC-F3C-402-40	40	1830	1681	884	12.205	1.2591