

# Castrads®

## Declaration of Performance

No. 202009-1014

Florence 2 Column 300mm

<b>Unique product code:</b>	SMC-F2C-302
<b>Type, batch or serial number:</b>	SMC-F2C-302
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	Politecnico di Milano
<b>Test report number:</b>	ENE/MRT.RES.01003_A

### 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  
27th May 2026





## Appendix to DOP No. 202009-1014: Dimensions and thermal outputs

Panel dimensions: 402mm high when floor standing, 67mm 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-F2C-302-03	3	165	70	37	0.553	1.2386
SMC-F2C-302-04	4	210	94	50	0.737	1.2386
SMC-F2C-302-05	5	255	117	62	0.922	1.2386
SMC-F2C-302-06	6	300	141	75	1.106	1.2386
SMC-F2C-302-07	7	345	164	87	1.290	1.2386
SMC-F2C-302-08	8	390	187	100	1.475	1.2386
SMC-F2C-302-09	9	435	211	112	1.659	1.2386
SMC-F2C-302-10	10	480	234	124	1.843	1.2386
SMC-F2C-302-11	11	525	258	137	2.028	1.2386
SMC-F2C-302-12	12	570	281	149	2.212	1.2386
SMC-F2C-302-13	13	615	305	162	2.396	1.2386
SMC-F2C-302-14	14	660	328	174	2.580	1.2386
SMC-F2C-302-15	15	705	352	187	2.765	1.2386
SMC-F2C-302-16	16	750	375	199	2.949	1.2386
SMC-F2C-302-17	17	795	398	212	3.133	1.2386
SMC-F2C-302-18	18	840	422	224	3.318	1.2386
SMC-F2C-302-19	19	885	445	237	3.502	1.2386
SMC-F2C-302-20	20	930	469	249	3.686	1.2386
SMC-F2C-302-21	21	975	492	261	3.871	1.2386
SMC-F2C-302-22	22	1020	516	274	4.055	1.2386
SMC-F2C-302-23	23	1065	539	286	4.239	1.2386
SMC-F2C-302-24	24	1110	562	299	4.424	1.2386
SMC-F2C-302-25	25	1155	586	311	4.608	1.2386
SMC-F2C-302-26	26	1200	609	324	4.792	1.2386
SMC-F2C-302-27	27	1245	633	336	4.977	1.2386
SMC-F2C-302-28	28	1290	656	349	5.161	1.2386
SMC-F2C-302-29	29	1335	680	361	5.345	1.2386
SMC-F2C-302-30	30	1380	703	373	5.530	1.2386
SMC-F2C-302-31	31	1425	727	386	5.714	1.2386
SMC-F2C-302-32	32	1470	750	398	5.898	1.2386
SMC-F2C-302-33	33	1515	773	411	6.083	1.2386
SMC-F2C-302-34	34	1560	797	423	6.267	1.2386
SMC-F2C-302-35	35	1605	820	436	6.451	1.2386
SMC-F2C-302-36	36	1650	844	448	6.636	1.2386
SMC-F2C-302-37	37	1695	867	461	6.820	1.2386
SMC-F2C-302-38	38	1740	891	473	7.004	1.2386
SMC-F2C-302-39	39	1785	914	485	7.188	1.2386
SMC-F2C-302-40	40	1830	937	498	7.373	1.2386