Declaration of Performance

No. 202009-1020

Florence 2 Column 900mm

Unique product code:	SMC-F2C-902
Type, batch or serial number:	SMC-F2C-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.RES.01003_A

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
2nd November 2026



Castrads®

Appendix to DOP No. 202009-1020: Dimensions and thermal outputs

Panel dimensions: 1002mm 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-902-03	3	165	188	97	1.226	1.2864
SMC-F2C-902-04	4	210	251	130	1.635	1.2864
SMC-F2C-902-05	5	255	313	162	2.044	1.2864
SMC-F2C-902-06	6	300	376	195	2.452	1.2864
SMC-F2C-902-07	7	345	439	227	2.861	1.2864
SMC-F2C-902-08	8	390	501	260	3.270	1.2864
SMC-F2C-902-09	9	435	564	292	3.678	1.2864
SMC-F2C-902-10	10	480	627	325	4.087	1.2864
SMC-F2C-902-11	11	525	689	357	4.496	1.2864
SMC-F2C-902-12	12	570	752	390	4.904	1.2864
SMC-F2C-902-13	13	615	815	422	5.313	1.2864
SMC-F2C-902-14	14	660	877	455	5.722	1.2864
SMC-F2C-902-15	15	705	940	487	6.131	1.2864
SMC-F2C-902-16	16	750	1002	520	6.539	1.2864
SMC-F2C-902-17	17	795	1065	552	6.948	1.2864
SMC-F2C-902-18	18	840	1128	585	7.357	1.2864
SMC-F2C-902-19	19	885	1190	617	7.765	1.2864
SMC-F2C-902-20	20	930	1253	650	8.174	1.2864
SMC-F2C-902-21	21	975	1316	682	8.583	1.2864
SMC-F2C-902-22	22	1020	1378	714	8.991	1.2864
SMC-F2C-902-23	23	1065	1441	747	9.400	1.2864
SMC-F2C-902-24	24	1110	1504	779	9.809	1.2864
SMC-F2C-902-25	25	1155	1566	812	10.218	1.2864
SMC-F2C-902-26	26	1200	1629	844	10.626	1.2864
SMC-F2C-902-27	27	1245	1692	877	11.035	1.2864
SMC-F2C-902-28	28	1290	1754	909	11.444	1.2864
SMC-F2C-902-29	29	1335	1817	942	11.852	1.2864
SMC-F2C-902-30	30	1380	1880	974	12.261	1.2864
SMC-F2C-902-31	31	1425	1942	1007	12.670	1.2864
SMC-F2C-902-32	32	1470	2005	1039	13.078	1.2864
SMC-F2C-902-33	33	1515	2068	1072	13.487	1.2864
SMC-F2C-902-34	34	1560	2130	1104	13.896	1.2864
SMC-F2C-902-35	35	1605	2193	1137	14.305	1.2864
SMC-F2C-902-36	36	1650	2256	1169	14.713	1.2864
SMC-F2C-902-37	37	1695	2318	1202	15.122	1.2864
SMC-F2C-902-38	38	1740	2381	1234	15.531	1.2864
SMC-F2C-902-39	39	1785	2444	1267	15.939	1.2864
SMC-F2C-902-40	40	1830	2506	1299	16.348	1.2864