

Castrads®

Declaration of Performance

No. 202009-1036

Florence 4 Column 1000mm

| | |
|--------------------------------------------------|----------------------------------------------------------------------------------|
| Unique product code: | SMC-F4C-1002 |
| Type, batch or serial number: | SMC-F4C-1002 |
| 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 | |
| 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
19th June 2026





Appendix to DOP No. 202009-1036: Dimensions and thermal outputs

Panel dimensions: 1102mm 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-1002-03 | 3 | 165 | 378 | 190 | 1.996 | 1.3402 |
| SMC-F4C-1002-04 | 4 | 210 | 504 | 254 | 2.661 | 1.3402 |
| SMC-F4C-1002-05 | 5 | 255 | 630 | 317 | 3.327 | 1.3402 |
| SMC-F4C-1002-06 | 6 | 300 | 755 | 381 | 3.992 | 1.3402 |
| SMC-F4C-1002-07 | 7 | 345 | 881 | 444 | 4.657 | 1.3402 |
| SMC-F4C-1002-08 | 8 | 390 | 1007 | 508 | 5.322 | 1.3402 |
| SMC-F4C-1002-09 | 9 | 435 | 1133 | 571 | 5.988 | 1.3402 |
| SMC-F4C-1002-10 | 10 | 480 | 1259 | 635 | 6.653 | 1.3402 |
| SMC-F4C-1002-11 | 11 | 525 | 1385 | 698 | 7.318 | 1.3402 |
| SMC-F4C-1002-12 | 12 | 570 | 1511 | 762 | 7.984 | 1.3402 |
| SMC-F4C-1002-13 | 13 | 615 | 1637 | 825 | 8.649 | 1.3402 |
| SMC-F4C-1002-14 | 14 | 660 | 1763 | 889 | 9.314 | 1.3402 |
| SMC-F4C-1002-15 | 15 | 705 | 1889 | 952 | 9.980 | 1.3402 |
| SMC-F4C-1002-16 | 16 | 750 | 2014 | 1016 | 10.645 | 1.3402 |
| SMC-F4C-1002-17 | 17 | 795 | 2140 | 1079 | 11.310 | 1.3402 |
| SMC-F4C-1002-18 | 18 | 840 | 2266 | 1143 | 11.976 | 1.3402 |
| SMC-F4C-1002-19 | 19 | 885 | 2392 | 1206 | 12.641 | 1.3402 |
| SMC-F4C-1002-20 | 20 | 930 | 2518 | 1270 | 13.306 | 1.3402 |
| SMC-F4C-1002-21 | 21 | 975 | 2644 | 1333 | 13.972 | 1.3402 |
| SMC-F4C-1002-22 | 22 | 1020 | 2770 | 1397 | 14.637 | 1.3402 |
| SMC-F4C-1002-23 | 23 | 1065 | 2896 | 1460 | 15.302 | 1.3402 |
| SMC-F4C-1002-24 | 24 | 1110 | 3022 | 1524 | 15.967 | 1.3402 |
| SMC-F4C-1002-25 | 25 | 1155 | 3148 | 1587 | 16.633 | 1.3402 |
| SMC-F4C-1002-26 | 26 | 1200 | 3273 | 1651 | 17.298 | 1.3402 |
| SMC-F4C-1002-27 | 27 | 1245 | 3399 | 1714 | 17.963 | 1.3402 |
| SMC-F4C-1002-28 | 28 | 1290 | 3525 | 1778 | 18.629 | 1.3402 |
| SMC-F4C-1002-29 | 29 | 1335 | 3651 | 1841 | 19.294 | 1.3402 |
| SMC-F4C-1002-30 | 30 | 1380 | 3777 | 1905 | 19.959 | 1.3402 |
| SMC-F4C-1002-31 | 31 | 1425 | 3903 | 1968 | 20.625 | 1.3402 |
| SMC-F4C-1002-32 | 32 | 1470 | 4029 | 2032 | 21.290 | 1.3402 |
| SMC-F4C-1002-33 | 33 | 1515 | 4155 | 2095 | 21.955 | 1.3402 |
| SMC-F4C-1002-34 | 34 | 1560 | 4281 | 2159 | 22.621 | 1.3402 |
| SMC-F4C-1002-35 | 35 | 1605 | 4407 | 2222 | 23.286 | 1.3402 |
| SMC-F4C-1002-36 | 36 | 1650 | 4532 | 2286 | 23.951 | 1.3402 |
| SMC-F4C-1002-37 | 37 | 1695 | 4658 | 2349 | 24.616 | 1.3402 |
| SMC-F4C-1002-38 | 38 | 1740 | 4784 | 2413 | 25.282 | 1.3402 |
| SMC-F4C-1002-39 | 39 | 1785 | 4910 | 2476 | 25.947 | 1.3402 |
| SMC-F4C-1002-40 | 40 | 1830 | 5036 | 2540 | 26.612 | 1.3402 |