

# Castrads®

## Declaration of Performance

No. 202009-1038

Florence 4 Column 1500mm

|  |  |
|--|--|
| <b>Unique product code:</b>                      | SMC-F4C-1502   |
| <b>Type, batch or serial number:</b>             | SMC-F4C-1502   |
| <b>Intended use of the construction product:</b> | In heating systems in buildings  |
| <b>Manufacturer:</b>                             | Castrads Ltd<br>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.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]<br>Maximum operating pressure: 1000 [kPa] | EN 442-1:2014                      |
| Rated thermal outputs   | See appendix 1   |                                    |
| Thermal output in different operating conditions (characteristic curve) | $\phi = K_m \cdot \Delta T^n$ .<br>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  
16th June 2026





## Appendix to DOP No. 202009-1038: Dimensions and thermal outputs

Panel dimensions: 1602mm 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-1502-03 | 3           | 165        | 548                  | 278                  | 3.042      | 1.3276      |
| SMC-F4C-1502-04 | 4           | 210        | 731                  | 371                  | 4.057      | 1.3276      |
| SMC-F4C-1502-05 | 5           | 255        | 913                  | 463                  | 5.071      | 1.3276      |
| SMC-F4C-1502-06 | 6           | 300        | 1096                 | 556                  | 6.085      | 1.3276      |
| SMC-F4C-1502-07 | 7           | 345        | 1278                 | 649                  | 7.099      | 1.3276      |
| SMC-F4C-1502-08 | 8           | 390        | 1461                 | 742                  | 8.113      | 1.3276      |
| SMC-F4C-1502-09 | 9           | 435        | 1644                 | 834                  | 9.127      | 1.3276      |
| SMC-F4C-1502-10 | 10          | 480        | 1826                 | 927                  | 10.141     | 1.3276      |
| SMC-F4C-1502-11 | 11          | 525        | 2009                 | 1020                 | 11.156     | 1.3276      |
| SMC-F4C-1502-12 | 12          | 570        | 2192                 | 1112                 | 12.170     | 1.3276      |
| SMC-F4C-1502-13 | 13          | 615        | 2374                 | 1205                 | 13.184     | 1.3276      |
| SMC-F4C-1502-14 | 14          | 660        | 2557                 | 1298                 | 14.198     | 1.3276      |
| SMC-F4C-1502-15 | 15          | 705        | 2739                 | 1390                 | 15.212     | 1.3276      |
| SMC-F4C-1502-16 | 16          | 750        | 2922                 | 1483                 | 16.226     | 1.3276      |
| SMC-F4C-1502-17 | 17          | 795        | 3105                 | 1576                 | 17.240     | 1.3276      |
| SMC-F4C-1502-18 | 18          | 840        | 3287                 | 1668                 | 18.255     | 1.3276      |
| SMC-F4C-1502-19 | 19          | 885        | 3470                 | 1761                 | 19.269     | 1.3276      |
| SMC-F4C-1502-20 | 20          | 930        | 3653                 | 1854                 | 20.283     | 1.3276      |
| SMC-F4C-1502-21 | 21          | 975        | 3835                 | 1947                 | 21.297     | 1.3276      |
| SMC-F4C-1502-22 | 22          | 1020       | 4018                 | 2039                 | 22.311     | 1.3276      |
| SMC-F4C-1502-23 | 23          | 1065       | 4200                 | 2132                 | 23.325     | 1.3276      |
| SMC-F4C-1502-24 | 24          | 1110       | 4383                 | 2225                 | 24.339     | 1.3276      |
| SMC-F4C-1502-25 | 25          | 1155       | 4566                 | 2317                 | 25.354     | 1.3276      |
| SMC-F4C-1502-26 | 26          | 1200       | 4748                 | 2410                 | 26.368     | 1.3276      |
| SMC-F4C-1502-27 | 27          | 1245       | 4931                 | 2503                 | 27.382     | 1.3276      |
| SMC-F4C-1502-28 | 28          | 1290       | 5114                 | 2595                 | 28.396     | 1.3276      |
| SMC-F4C-1502-29 | 29          | 1335       | 5296                 | 2688                 | 29.410     | 1.3276      |
| SMC-F4C-1502-30 | 30          | 1380       | 5479                 | 2781                 | 30.424     | 1.3276      |
| SMC-F4C-1502-31 | 31          | 1425       | 5661                 | 2874                 | 31.438     | 1.3276      |
| SMC-F4C-1502-32 | 32          | 1470       | 5844                 | 2966                 | 32.452     | 1.3276      |
| SMC-F4C-1502-33 | 33          | 1515       | 6027                 | 3059                 | 33.467     | 1.3276      |
| SMC-F4C-1502-34 | 34          | 1560       | 6209                 | 3152                 | 34.481     | 1.3276      |
| SMC-F4C-1502-35 | 35          | 1605       | 6392                 | 3244                 | 35.495     | 1.3276      |
| SMC-F4C-1502-36 | 36          | 1650       | 6575                 | 3337                 | 36.509     | 1.3276      |
| SMC-F4C-1502-37 | 37          | 1695       | 6757                 | 3430                 | 37.523     | 1.3276      |
| SMC-F4C-1502-38 | 38          | 1740       | 6940                 | 3522                 | 38.537     | 1.3276      |
| SMC-F4C-1502-39 | 39          | 1785       | 7122                 | 3615                 | 39.551     | 1.3276      |
| SMC-F4C-1502-40 | 40          | 1830       | 7305                 | 3708                 | 40.566     | 1.3276      |