

Aluminium Radiators

With its compact design and its attractive linear shape, RIVA provides a high thermal emission with a low water content and a reduced inertia.

The performance of this radiator perfectly combines with modern heating systems and is an effective response to the need for reduction of energy costs.

- Available in modular sections
- Ideal for use with Heat Pumps
- 15 years guarantee



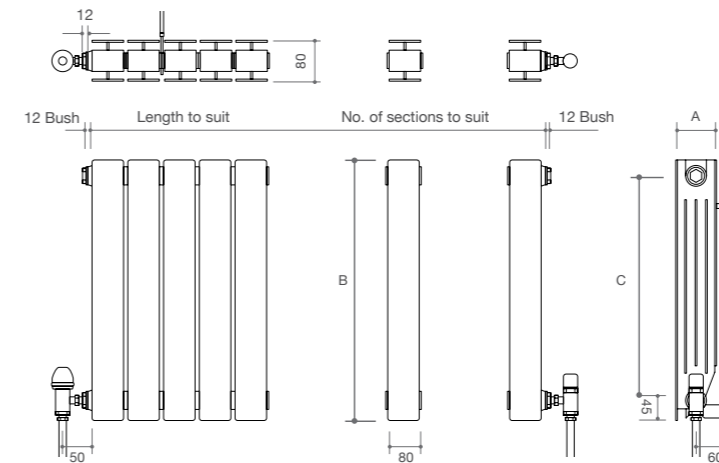
Steel Radiators

Our competitive steel range has compact design paired with its high efficiency/ thermal emission making it the perfect choice for any heating systems.

- With or without hanger
- High efficiency,
- Suitable for low temperature
- Perfect corrosion resistance with nano-ceramic surface coating
- 10 year guarantee

Radiator Specs

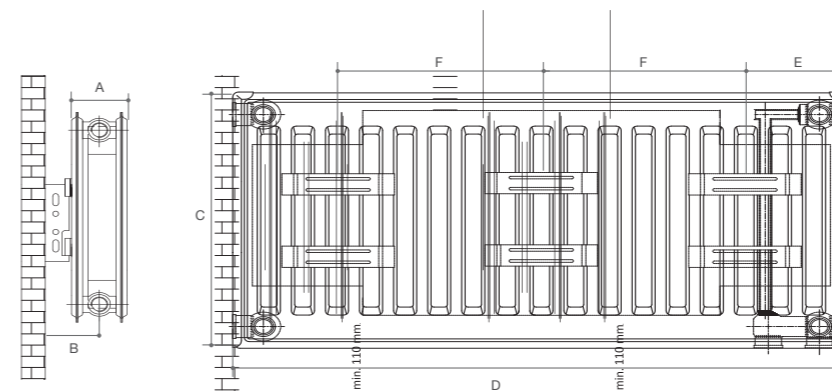
Aluminium Radiators



| Dimensions | | | | |
|------------|-------|-------|-------|-------|
| | 430 | 580 | 680 | 780 |
| (A) | 80mm | 80mm | 80mm | 80mm |
| (B) | 430mm | 580mm | 680mm | 780mm |
| (C) | 350mm | 500mm | 600mm | 700mm |

| Aluminium | | | | | | | | | | |
|---|----------------------|---------|--------|--------|--------------------|--------|--------|--------|--------|--------|
| Release of Dangerous Substances | None | | | | | | | | | |
| | A1 | | | | | | | | | |
| Maximum Operating Pressure | 16 bar | | | | | | | | | |
| Test Pressure | 27 bar | | | | | | | | | |
| | Aluminium Horizontal | | | | Aluminium Vertical | | | | | |
| Height (mm): | 430 | 580 | 680 | 780 | 1080 | 1280 | 1480 | 1680 | 1880 | 2080 |
| Km (Coefficient) | 0.5667 | 0.62828 | 0.7582 | 0.7996 | 1.063 | 1.159 | 1.3 | 1.434 | 1.562 | 1.685 |
| n (Exponent) | 1.2845 | 1.3262 | 1.3043 | 1.3332 | 1.312 | 1.326 | 1.327 | 1.329 | 1.33 | 1.331 |
| "Q t20 (Thermal effect) Watts per Section (80mm)" | 26.58 | 33.39 | 37.73 | 43.39 | 54.14 | 61.55 | 69.25 | 76.85 | 83.96 | 90.84 |
| "Q t50 (Thermal effect) Watts per Section (80mm)" | 86.23 | 112.55 | 124.67 | 147.21 | 180.13 | 207.45 | 233.60 | 259.70 | 284.00 | 307.56 |

Steel Radiators



| Dimensions | | |
|------------|-------------|-----------|
| | 600 | 500 |
| (A) | 104 mm | 104mm |
| (B) | 83mm | 83mm |
| (C) | 600 mm | 500mm |
| (D) | 0.4 m - 2 m | 0.4m - 2m |
| (E) | 101 mm | 101mm |
| (F) | (C-2D)/2 | (C-2D)/2 |

| Steel | | | | |
|---|---------------|---------|---------------|---------|
| Release of Dangerous Substances | None | | | |
| | A1 | | | |
| Maximum Operating Pressure | 6 bar | | | |
| Test Pressure | 10 bar | | | |
| | Steel Type 11 | | Steel Type 22 | |
| Height (mm): | 500 | 600 | 500 | 600 |
| Km (Coefficient) | 6.35134 | 7.33984 | 10.3724 | 11.4097 |
| n (Exponent) | 1.25304 | 1.25649 | 1.282 | 1.295 |
| "Q t20 (Thermal effect) Watts per Section (80mm)" | 271.09 | 316.53 | 482.84 | 552.21 |
| "Q t50 (Thermal effect) Watts per Section (80mm)" | 854.56 | 1000.98 | 1563.00 | 1809.01 |

Radiator Thermal Output Calculation

$$Q = Km * (\Delta T)^n$$

ΔT = see table 2
 Km = see table below
 n = see table below

Table 2

ΔT = Mean Water Temp (°C) - Design Room Temp (°C).

Example: $\Delta T = 40 - 18$

Mean Water Temp °C = Heat Source Flow Temp (°C) - (System Temp Drop °C/2).

Example: MWT = 45 - (10/2)