

**Copper tube,
aluminium fin
baseboard
heating element**



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PRODUCT DESCRIPTION

PBaseboard is the most basic heat exchanger configuration made of copper pipe and aluminium fins. Highly versatile it can be used in a floor trench or convector casing and is widely used in refurbishment projects in schools, hospitals, churches, museums, restaurants and supermarkets.

KEY FEATURES

- Light weight
- Excellent heat transfer characteristics
- Easy installation
- Easily modified

TECHNICAL SPECIFICATIONS

Baseboard finned heating elements comprise 28mmOD x 0.9mm wall BS EN1057 copper tube with 76mm square x 0.4mm thick grade 1060 aluminium fin at 6mm pitch.

The fins are mechanically bonded to the tube by expansion to ensure superior heat transfer. Tubes are supplied in lengths up to (approximately) 3000mm.

BASEBOARD CONVECTOR – METRIC OUTPUT – 200mm HIGH CASING
28mm Copper Tube With 76mm Square Aluminium Fins At 5mm Pitch. Capacity At Mean Temperature In w/m (Water Velocity 0.3M/sec)

No. of Tubes 60° C 66° C 71° C 76° C 82° C 88° C 93° C
Single Tube 395 455 520 585 655 720 790

SILL HEIGHT CONVECTOR – METRIC OUTPUT – 660mm HIGH CASING

28mm Copper Tube With 75mm Square Aluminium Fins At 5mm Pitch. Capacity At Mean Temperature In w/m (Water Velocity 0.3M/Sec)

No. of Tubes 60° C 66° C 71° C 76° C 82° C 88° C 93° C
Single Tube 590 673 760 850 955 1065 1200
Two Tubes 750 855 970 1080 1220 1360 1530

Correction factor for water velocities for Baseboard and Sill Height Convectors (M/Sec)

Velocity 0.04 0.08 0.15 0.23 0.3 0.46 0.61 0.76 0.92
Correction 0.855 0.892 0.948 0.973 1.00 1.015 1.021 1.029 1.038

Capacities stated per metre of convector element with ambient air at 18° C.



Burnfoot Industrial Estate
Roxburghshire
Scotland, TD9 8SL

www.turnbull-scott.co.uk
+44 (0)1450 372 053