

Thermatile TEN

The Thermatile TEN is a radiant panel designed to drop into suspended ceiling grids. It is based on the 3 core SPC aluminium sandwich panel finished in matt white with a high performance 10mm 'D tube' cartridge affixed to the rear with final connections from 10mm o/d copper.



Figure 1. 1200 long panel. Insulation removed for clarity.

It is available from stock in a nominal width of 600mm to suit the grid spacing and a range of different nominal lengths from 600mm to 3600mm in 600mm increments.

Nominal Length	Length	Dim A	Dim B	Dim C	Hanging Points
600	590	130	1	330	4
1200	1190	230	1	730	4
1800	1790	330	2	565	6
2400	2390	430	2	765	6
3000	2990	430	2	1065	6
3600	3590	430	3	910	8

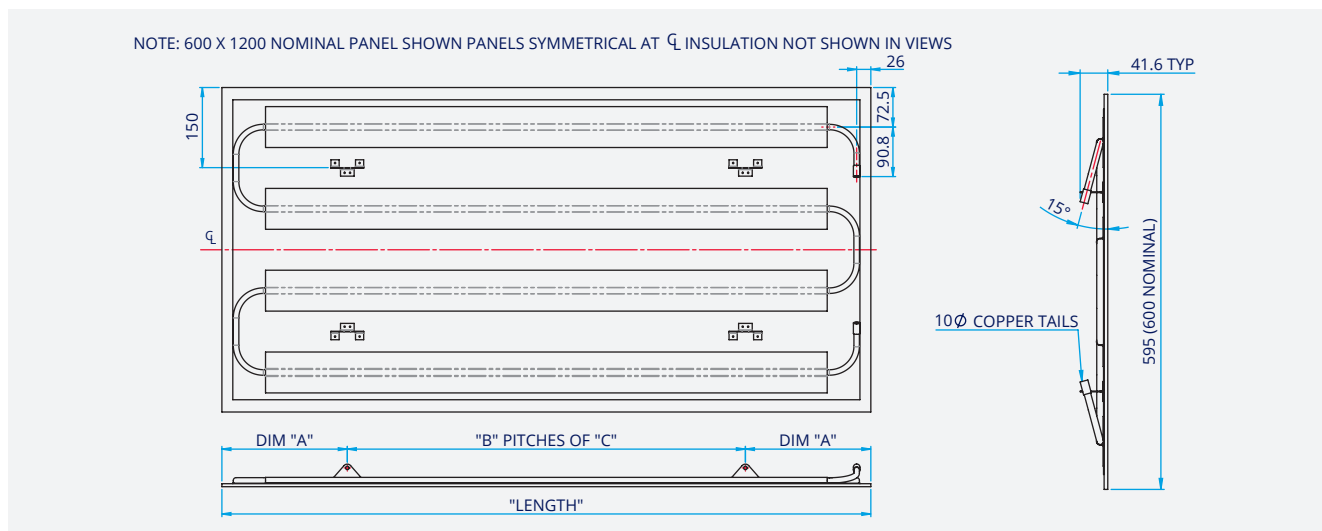


Figure 2. 1200 long panel showing dimensions (other lengths as above but length increased in 600mm increments).

The panels are designed to optimise radiant heat output but may also be used for cooling in seasonal change-over systems.

Panels can be used for runs which exceed 3600mm though in such situations individual panels should be piped in parallel to prevent excessive pressure drops.

Panels are supplied, as standard, with a rigid foil backed insulation board to minimise heat loss into the void. Flexible hoses, hanging kits and control sets are available as options.

Each panel will be individually packaged and display order/project details.

Nominal length (mm)	600		1200		1800		2400		3000		3600	
	W	kPa	W	kPa	W	kPa	W	kPa	W	kPa	W	kPa
Water flow/return/air (°C)												
80/70/20	170	0.03	373	0.24	559	0.70	745	1.51	932	2.76	1119	4.52
80/60/20	150	0.02	301	0.05	452	0.11	669	0.38	836	0.69	1003	1.18
70/50/20	117	0.01	233	0.04	350	0.09	466	0.16	648	0.46	778	0.76
60/40/20	84	0.01	168	0.04	252	0.08	336	0.14	420	0.21	504	0.30

Table 1. Heat outputs and pressure drops for common conditions. Independently measured to EN14037.



SPC House, Evington Valley Road, Leicester LE5 5LU
T: 0116 249 0044 **E:** spc@spc-hvac.co.uk
spc-hvac.co.uk

Ref: SPCThermatileTENA4 iss1