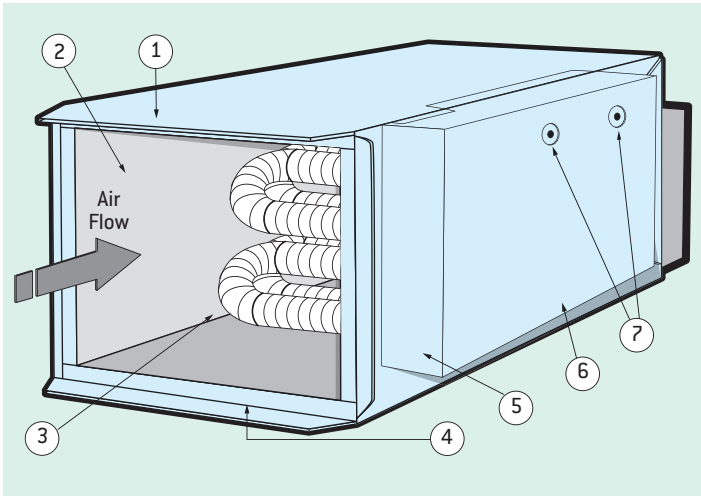
Electrical Heater Boxes & VAV Electric Heater Box Assemblies

Holyoake electric heater packs are designed as accessories for either single duct VAV terminals, or fan assisted VAV assemblies. They comply with AS 1668.1 - 1998, section 2.6 and with AS/NZS 3102:2002.

Installers must take special consideration of AS/NZS 3102, clause 7.2 , Interlocking of supply to heater unit and blower motor and clause 7.3, Devices to prevent overheating.



General

Maximum heater capacities have been established in consideration of both likely maximum need and physical size of the element bundle. The latter is in turn dictated by the allowable watt density of the elements, which governs the maximum sheath temperature. The standard sizes listed here as finned tubular elements, achieve “black heat” (sheath temperature 400ºC) in air moving across the element surface at a velocity of 1 m/s, i.e. “still air” with the velocity created only by the temperature of the element itself. These capacities meet the requirements of AS 1668.

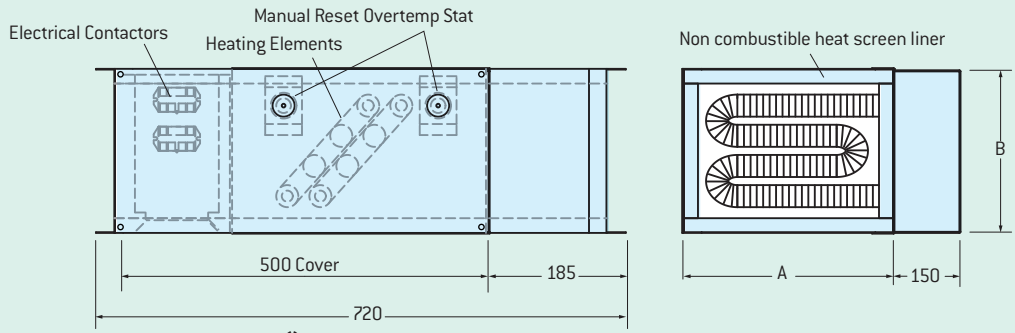
Standard Features

1. Duct casing 0.75mm galv. steel.
2. Non combustible heat screen liner.
3. Finned elements comprising of 304 stainless steel fins on 309S stainless steel tubes.
4. Slip and drive duct connections (drive connections on all four sides are available on request).
5. Electrical box containing heater terminals, contactors (or power relays), over-temp stat and wiring to terminal block. If required an isolating switch may be added.
6. Cover held by screws accessible from the sides.
7. Manual reset over-temp stats.

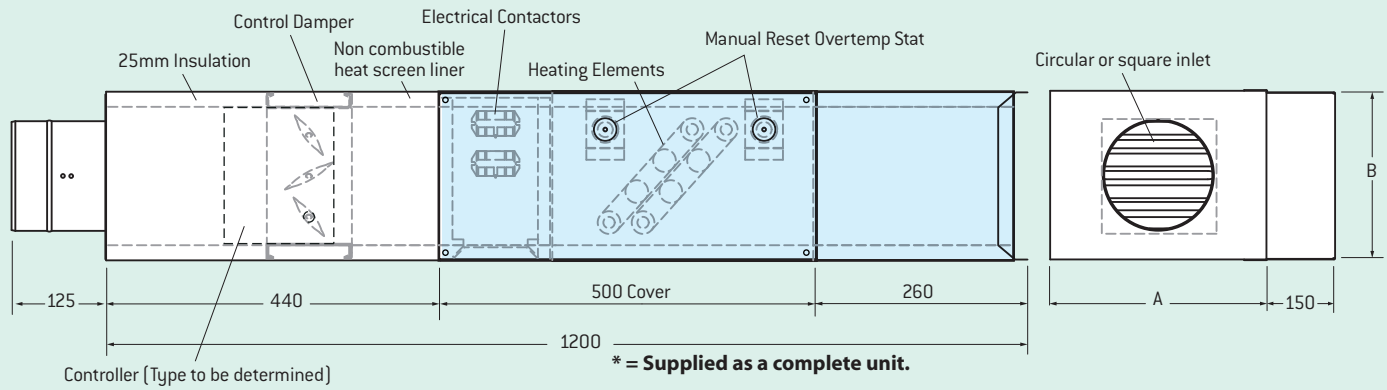
Option

Solid state control for pulsed heater control.

Heater Section Only



VAV with Electric Heater*



*** = Supplied as a complete unit.**

Inlet Dia	Max (kW)	A (mm)	B (mm)
100,125,150	2.5	286	223
175,200,225	3.75	286	296
250	6.0	428	296
300	9.0	428	369
350	12.0	512	398
400	15.0	636	442
600 x 400	15.0	965	442

Note

Maximum kilowatt ratings are guidlines only. Larger ratings can be accommodated.