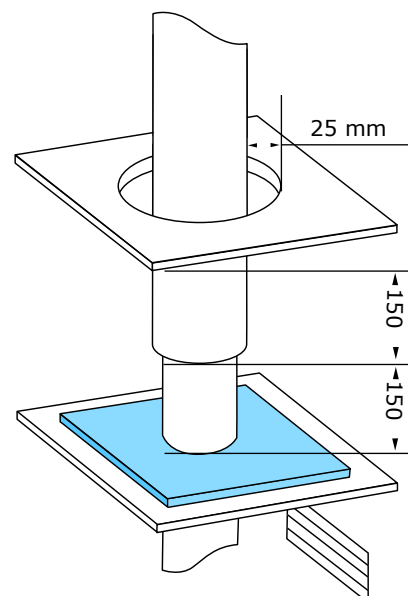
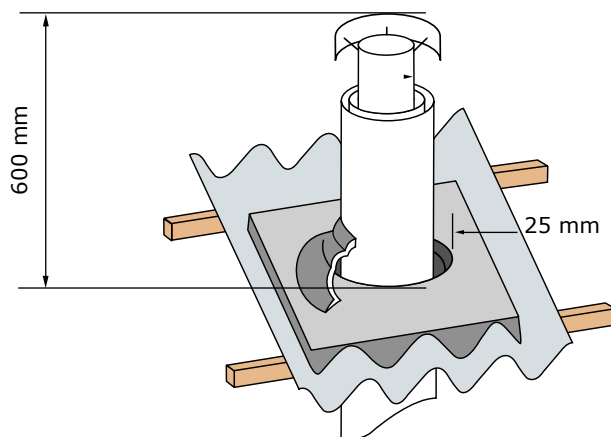
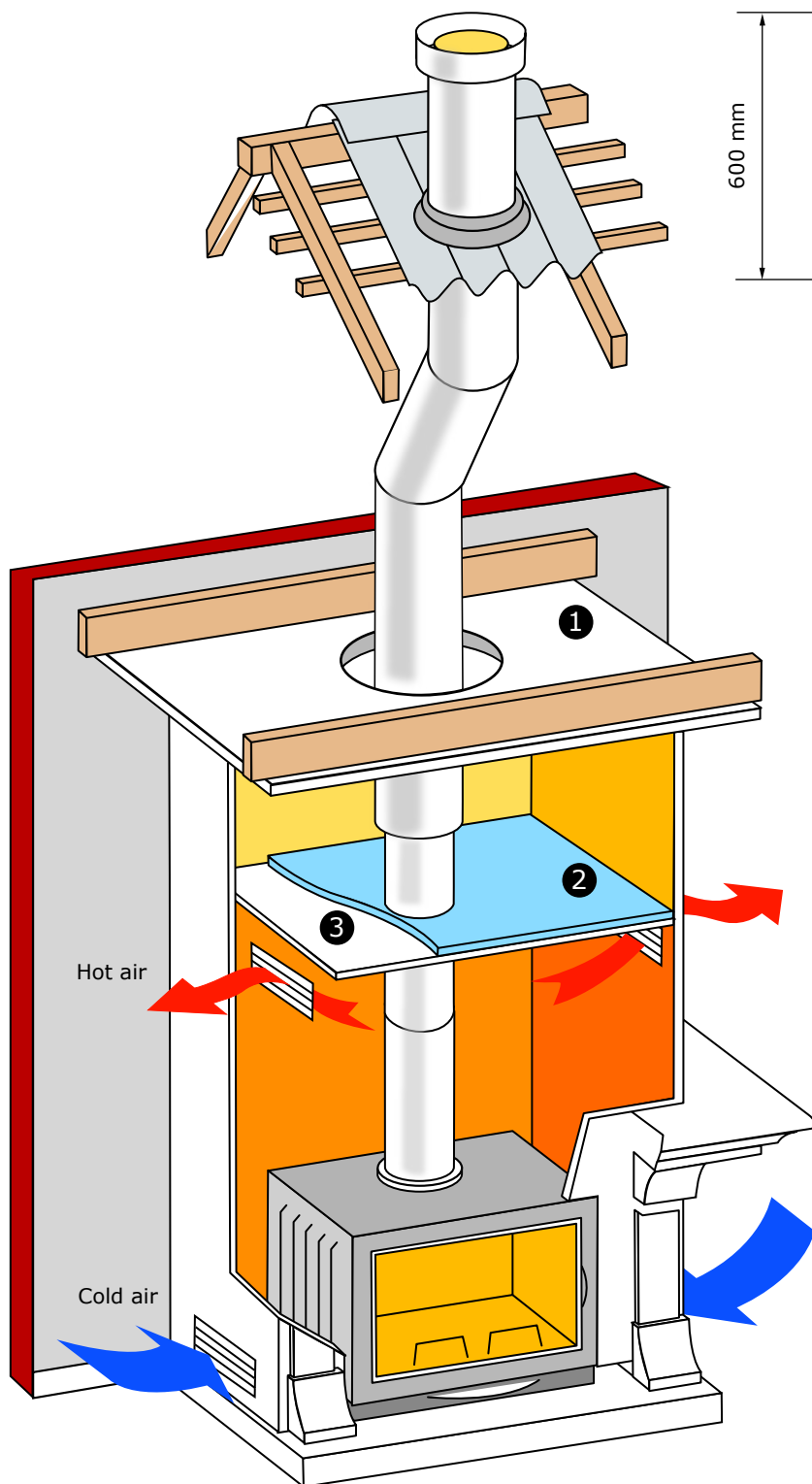


# SPECIFICATIONS : RADIANT

All dimensions are MINIMUM REQUIREMENT

1- Ceiling 2- Rockwool 3- Deflector



# Radiant

## Technical Data & Installation Instructions

- The appliance and flue system must be installed in accordance with the requirements of AS/NZS 2918 and the appropriate requirements of the relevant building codes of Australia.
- In all cases AS/NZS 2918 should be referred to for confirmation of any installation requirements.
- Some materials which make up your living quarters are combustible and the wall of the room in which the fireplace will be installed must be duly protected : any combustible elements should be heat applied to or within these wall must be removed (includes floor, wall and ceilings) where the chimney is in contact with these fittings.
- Fireplace structure , mantelpiece, should be to your own design providing the exact and minimum dimensions are maintained.
- Firebox must sit on solid masonry, timber floor may require additional reinforcing.
- Construction of the fireplace structure from floor to ceiling shall be solid bricks stone, Hebel blocks Hebel Power panels lined with Rockwool Firerock.
- Double skin wall ventilated with 25mm air cavity is required at the back of the firebox when it forms a part of the external wall.
- Thermal insulation (Rockwool Firerock 30mm) shall be heat resistant with aluminium foil adhered to one face. Aluminium foil always on heat side.
- Rockwool Firerock will cover back and sides of the fireplace structure inside from base to ceiling.
- Deflector (top of the Heat chamber), shall be Rockwool Firerock rigid panel or metal sheet 20 gauge minimum or Hebel power panel 75mm with Rockwool Firerock on top.
- Seal around the perimeter of the deflector and stainless steel flue with fireproof silicone or casting plaster and hemp or heat resistant aluminum tape. Repeat the same around the perimeter of duct pipes if a hot air ducting system is used.
- Thermal insulation is absolutely essential in the case of light structure. However in all cases the insulation is recommended in order to avoid heat loss.
- Air intake is through grilles situated on both sides of the fireplace structure. These grilles shall be situated at the base level of the firebox. Read "Air supply & Ventilation".
- Ventilation grilles shall be fitted below the deflector, to allow the release of convected heat into the room. One large grille or 2 smaller grilles on either side of the fireplace structure. Read "Air supply & Ventilation".
- Allow minimum clearance of 5mm between the firebox and finished fireplace opening.
- Allow a minimum clearance of 100mm between the cast iron firebox and Rockwool Firerock thermal insulation on structural walls (or 200mm if no thermal insulation).
- Wood mantelpiece shall be installed at a minimum distance of 300mm from top of the finished opening and 160mm from sides of finished opening.
- Minimum hearth dimension shall be 500mm from front of the unit.
- Single skin flue in stainless steel (minimum 0.6mm thickness) shall be used only when the fireplace and chimney structure continue above the roof.
- Triple skin ventilated (Modular Air flow) shall be used when the fireplace structure terminates at the ceiling level with 25mm minimum clearances to flammable materials.
- Allow the fireplace structural work to cure for a minimum 21 days prior to use.

### **AIR SUPPLY & VENTILATION**

- Our products have very high power output and must be installed as per instruction of the manufacturer, drawings that are supplied with each firebox and in accordance with standards AS/NZ 2918 and appropriate requirements of the relevant building codes. Failing to provide recommended air input around the firebox will prevent our product to work efficiently and will be void of warranty.

### **FRESH AIR SUPPLY/AMBIENT AIR**

- Fresh Air supply from sides or front vents, pending on the installation and Design of the fireplace, at the bottom close to the floor.Total section for the fresh air vents in one or more vents: 600cm<sup>2</sup>.

### **HOT AIR OUTLET**

- Same size grate(s) or vent(s) should be used on top front or sides of the fireplace, just below the internal deflector, with minimum total section of 700cm<sup>2</sup>.

### **HOT AIR DUCTING SYSTEM**

- If a hot air ducting system is linked to the fireplace, size for fresh air/ambient air will be 700cm<sup>2</sup> minimum.