

GUIDELINES FOR THE INSTALLATION OF SIME SOLIDA SOLID FUEL BOILERS

Installation requirements and interpretation can vary with some local authorities, we recommend you consult your local Council specifically. Please feel free to contact Belle Comfort Solutions if you require clarification or assistance with any installation matter.

The Australian/New Zealand standard for Domestic solid fuel burning appliances – Installation **AS/NZS 2918:2001** specifies requirements for the installation of domestic solid fuel burning central heating appliances. Our guidelines should be read in conjunction with this standard to confirm installation standards and determine clearance factors that may apply to the individual installation.

Installation Clearances

Sime Solida boilers are water-jacket boilers, supplied complete with insulated casing panels, the water jacketing (maximum 80°C) combined with the insulated casing panels result in little or no heat transfer to the surrounding room (maximum boiler panel surface temperature 30°C). The boiler has not been tested in accordance with Appendix B AS/NZS 2918:2001.

Safety Clearances in accordance with Section 3, AS/NZS 2918:2001:

- Rear:** The rear clearance will be determined by the flue system (see below).
- Other:** The minimum clearance between any part of the boiler and any heat sensitive material shall be a ceiling of not less than 1500mm vertically above the boiler or 1200mm in any other direction

This safety clearance may be reduced to as little as 300mm vertically and 240mm in any other direction by provision of an appropriately located heat shield which shall consist of heat resistant material or heat tolerant material. Refer AS/NZS 2918:2002 Section 3: 3.2.3 (Heat Shield)

Floor Protection

The boiler requires floor protection when any part of the floor area where the boiler is to be installed includes a heat sensitive material that would be under the boiler, or within 500mm of the boiler.

Flue

The Sime Solida boilers are rear exit flues. Belle supplies an approved 3.6m standard boiler flue kit containing all required components including an insulated tee piece. We recommend that flues are installed to meet AS/NZS 2918:2001 Section 4: Flue System Installation.

Boiler Room

Solida boilers require ventilation for complete combustion and cooling and the boiler should be installed only in well air vented rooms. Air vents may be installed on the outside walls, or to adjoining rooms with outside ventilation, which satisfy the requirements of the boiler.

Water Supply

Boiler water should be treated and must be separated from the potable water supply.