Furnace Chamber Installation and Integration Guide

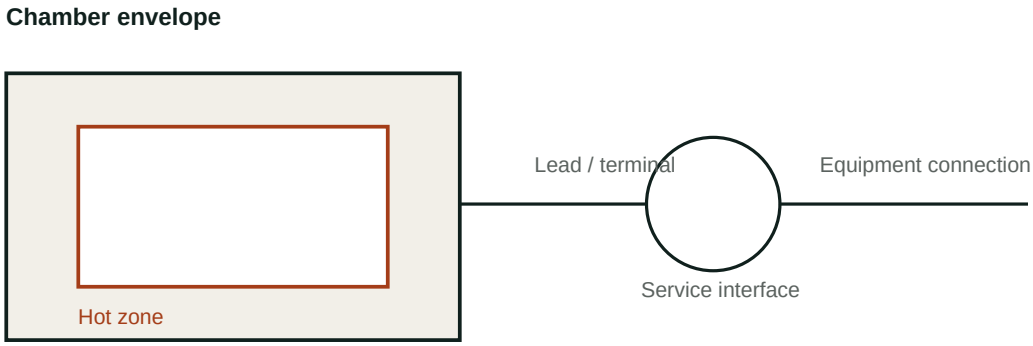
General receiving and equipment-integration controls for muffle, tube, dental, heating-panel and stainless-steel shelled chambers.



Receiving and unpacking

- Inspect the outer case before opening and photograph impact or moisture indicators.
- Confirm product identification, drawing revision, orientation and accessories before removing internal blocking.
- Lift from the designed support or shell. Never lift a chamber by leads, terminals, thermocouples, thin fiber edges or door openings.

Mechanical integration



Confirm support, clearance, thermal expansion, sensor position and electrical boundary on the approved drawing.

- Support the assembly on the drawing-defined faces and mounting points.
- Maintain the specified clearance for thermal expansion, service access, terminal cooling and process-tube movement.
- Do not force a ceramic fiber body into a distorted equipment envelope. Correct the interface before fastening.

Electrical and sensor integration

- Qualified personnel must verify supply voltage, phase, zone identification, cold resistance, insulation condition and terminal torque against the approved documents.
- Route leads and thermocouples away from sharp edges, hot metal and unsupported vibration.
- Do not energize the chamber when wet, visibly damaged or incorrectly supported.
- Controllers, over-temperature protection, grounding and interlocks remain part of the equipment integrator's safety design unless included in the supply scope.

First heat and release

Hold point	Record
Mechanical installation	Supports, clearances, fasteners and openings accepted
Electrical cold checks	Zone resistance, insulation and continuity recorded
Sensors / controls	Position, polarity, alarm and limit logic verified
Dry condition	Chamber and surrounding insulation confirmed dry
Controlled first heat	Integrator-approved schedule and observations recorded
Release	Inspection record signed before production use

Document control

The equipment integrator remains responsible for machine safety, electrical protection, control logic and final commissioning unless the contract states otherwise.

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