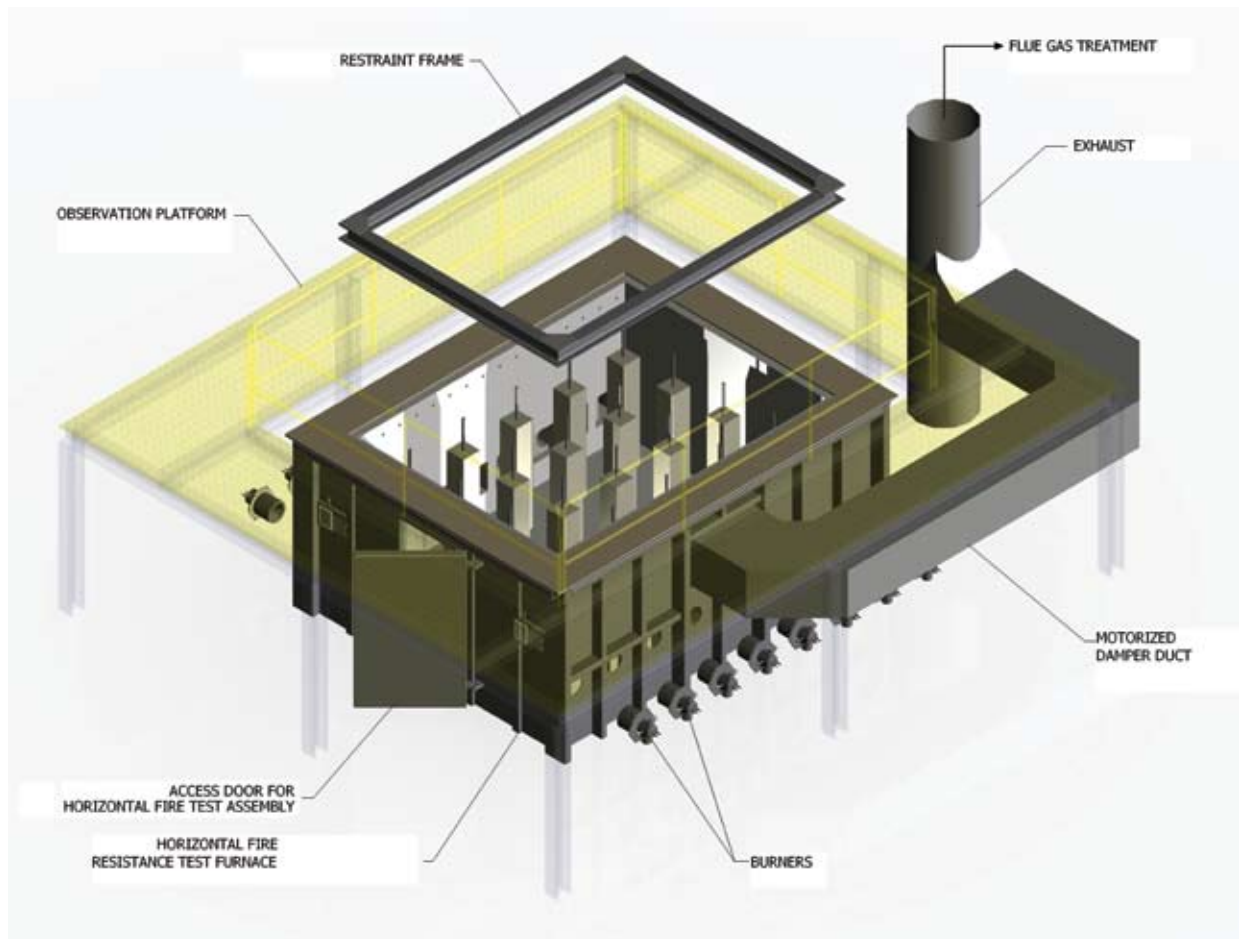


AMOS

HORIZONTAL FIRE RESISTANCE TEST FURNACE





HORIZONTAL FIRE RESISTANCE TEST FURNACE

Full Scale Horizontal Furnace Type 1

Measures 5.5 meters x 4 meters x 2.2 meters deep, and is capable of running at pressures from -12.5 to + 12.5 pascals. This furnace has the burner power to meet the hydrocarbon heating curve, meaning that the furnace's temperature must rapidly rise to 1100 °C.

The furnace is used for testing floor/ceiling or roof/ceiling assemblies, and for testing fire protective envelopes, penetration seals and ducts.

Full Scale Horizontal Furnace Type 2

Measures 4 meters x 3 meters x 1 metre deep, and is capable of running at pressures from -12.5 to + 12.5 pascals.

This furnace has the burner power to meet the hydrocarbon heating curve, meaning that the furnace's temperature must rapidly rise to 1100 °C. The furnace is used for testing floor/ceiling or roof/ceiling assemblies.

Fired by liquefied petroleum gas or propane, these furnace are capable of meeting British and American heating curves.

Published British Standards include:

- BS EN 1363-1 General requirements for fire resistance tests
- BS EN 1363-2 Alternative and additional procedures
- BS EN 1364-2 Fire resistance tests - Non-loadbearing ceilings
- BS EN 1365-2 Fire resistance tests - Floors and roofs
- BS EN 1365-3 Fire resistance tests - Beams
- BS EN 1366-1 Fire resistance tests - Ducts
- BS EN 1366-2 Fire resistance tests - Dampers
- BS 476 Part 20 - 22

Published American Standards include:

- ASTM E119 Fire resistance tests



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