

CLEAN ROOM



Many standard furnaces and ovens can be built to suit a clean room environment. Depending on the product type it may be necessary to locate it in the grey area and the only access to the furnace chamber would be through the clean room wall. Please inquire for details.

CLEAN ROOM CLASSIFICATIONS

Standard	Classification			
ISO 14644-1	5	6	7	8
BS 5295	E/F	G/H	J	K
Federal standard 209E	100	1000	10000	100000

CR range of clean room ovens

The CR range of 250 °C clean room ovens comprises nine standard models in sizes from the 30 litre model to the 1790 litre model which, once processed through a customer's standard material entry regime, are suitable for operation within an ISO 14644-1 Class 5 environment.

All sources of particulate contamination are fully sealed. Their easily cleaned stainless steel interiors and gloss white epoxy exteriors prevent the shedding of particulate contamination.

HTCR range of clean room ovens

Above 250°C the HTCR range of clean room ovens comprises 15 standard models with five sizes between 28 and 1000 litres available with maximum temperatures of 400 °C, 500 °C and 600 °C.

Once processed through a customer's standard material entry regime HTCR Ovens are suitable for operation within an ISO 14644-1 Class 6 environment. Optionally HTCR ovens can be supplied for operation within an ISO 14644-1 Class 5 environment.

Additional options for our clean room ovens

The CR and HTCR ranges are available with interesting options such as access ports for independent thermocouple, viewing windows, frame to enable units to be stacked one upon another, lockable doors and fully customized through wall (flange fitted) designs are available.

CARBOLITE GERO CUSTOM FURNACES & OVENS

EXAMPLES



Custom designed GPC General purpose chamber furnace to fit into a clean room wall (Ref. no. 300904)

HTCR 4/232 high temperature clean room oven with front and back entry for passing samples through clean room walls



Taylor made CR130 clean room oven with gas controls for modified atmospheres



Clean room oven CR130 with oxygen sensor for high humidity atmosphere applications according customer specifications

Content may be subject to modifications or corrections

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