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Mould Oven

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The oven is designed to pre-heat the required moulds for the glass forming process and is equipped with a direct gas or electric heating and air circulating system.

The oven is supplied in a preassembled state in order to minimise the installation times. The outer structure is manufactured from mild steel, whereas the inner structure is made from heat resistant stainless steel. The upper area of the trolley consists of a heat resistant stainless steel grid in order to allow air circulation.

To minimise thermal wall losses the entire unit is equipped with a thick high temperature insulation material.

The oven is further equipped with a circulating fan as well as a gas burner system and safety devices. The direct installed control panel has the necessary electrical components and temperature monitoring.

The mould trolley is equipped with wheels and is electrically operated on a set of rails, mounted

directly to the floor in order to load the moulds easier by hand or a fork lift.

The rail system and drive for the mould trolley are completely preassembled. The electric motor as well as all electric equipment is located on the rear side of the oven, so they are not exposed to heat.

The front door is insulated, movable in height by an electrically operated winch system to allow the withdrawal of the trolley. Its inside is manufactured from heat resistant stainless steel.

A special guiding system of the door enables an optimal sealing when closing as well as an easy opening, which is executed in a contact-free way to the front wall.

With the use of two limit switches, the doors mechanical system protects the equipment and the operator, as a safety link switches the oven automatically off (fan and burner) in case of opening the front door. When closing the door, it is ensured that the trolley cannot be operated anymore.

The heating takes place by the use of fully automatic gas burners with a performance of 90kW. The combustion gases will be guided through heat resistant stainless steel burner tubes into the area of the air circulation fan wheel (impeller), mixed and circulated with the internal air from the tunnel. The burners are fully equipped with all safety- and norm- relevant components.

The control panel is equipped with all its necessary components and the latest type of thermoelectric temperature controller. For the start up, the control panel is fixed on the machine's side wall and has to be connected with five electric connector plugs.

The required utilities are the three phase voltage as well as the gas supply at a rate of 50 to 250mbar pressure.



Features

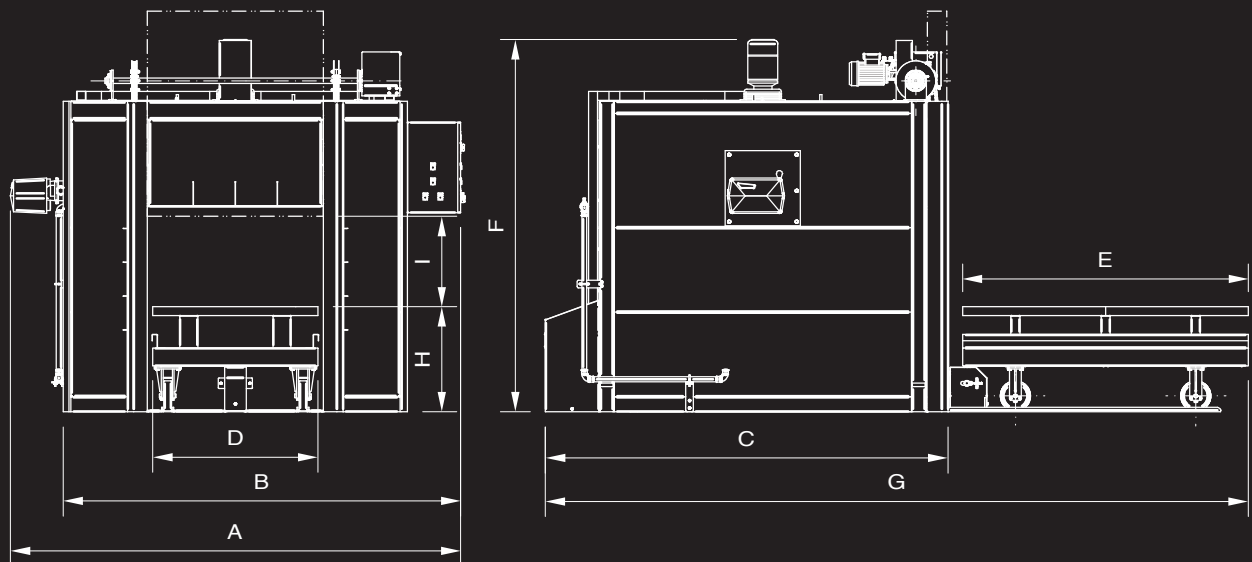
- Electrical front door
- Air circulation system
- Gas heating according to EN746-2
- Large trolley (usable area 2m²)
- Completely pre-assembled (connection control by plugs)
- Safety system (operator safety)

Option:

- Electric heating
- Electric operated trolley

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Width (incl. gas burner)	approx. 2.990mm
Width (electric heated)	approx. 2.640mm
Length without rails	approx. 2.680mm
Length with rails	approx. 4.680mm
Height	approx. 2.475mm
Inner width	approx. 1.170mm
Inner length	approx. 1.950mm
Inner passing height	approx. 600mm
Trolley width	approx. 1.100mm
Trolley length	approx. 1.900mm
Trolley loading length	approx. 700mm
Oven temperature	max. 500 °C



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