



## Heating Modes

- Electrical
- Warm water
- Thermal oil
- Steam
- Infrared radiation

## Temperature Range

The maximum rated temperatures that can be reached at the product being dried depend on the mode of heating used for the drying oven.

## Testing

We seal test our vacuum drying ovens and supply you with a test certificate.

## Safety Devices

- Pressure-relief valve
- Temperature limiter

Mode of Heating	Maximum Temperature in °C
Electric	200/400
Warm water	95/140
Thermal oil	200/250
Steam	according to the steam pressure

## Design

Our vacuum drying ovens are of compact design. The major components are:

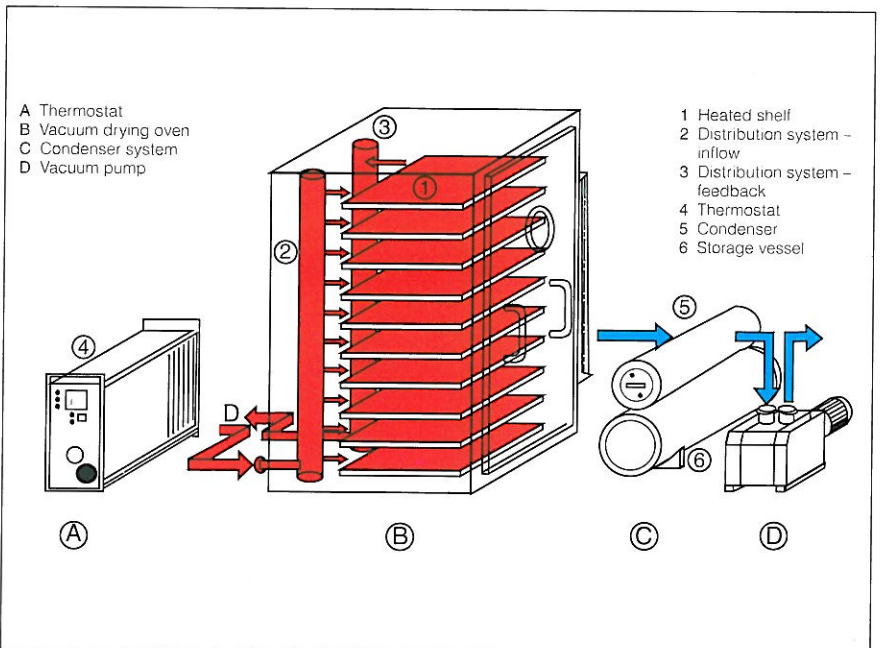
- Drying oven with shelves
- Heating and cooling aggregate for the thermal medium
- Vacuum pump
- Condenser with storage vessel.

## Construction Features

All components of the drying oven itself are of stainless steel with *material class 1.4571* as these may come into contact with the product.

The external housing and reinforcements are made of stainless steel with the *material class 1.4301*.

- The interior of the drying oven has round edges so that no particles are left on the surface after cleaning. This is important when the product being dried should on no account react to other substances.
- Inspection glass (200 mm diameter) in the door
- Heat-resistant silicon seal in the door
- Seals can be easily replaced when necessary
- Double-jointed hinge to ensure that the door closes tightly and prevents overwearing the seals
- An additional flange is provided for special applications.



## Control

Our vacuum drying ovens are equipped with a digital microprocessor-controlled control system.

The electric heating enables you to:

- Control and monitor each shelf individually
- Set the drying times
- Perform the drying process programme-controlled; with one of 99 programs
- Connect a PC (via RS 232 or RS 485 interface).

When using a heat transfer medium you can control and monitor the temperature of the medium.

