

MB-VOH-250

VACUUM OVEN



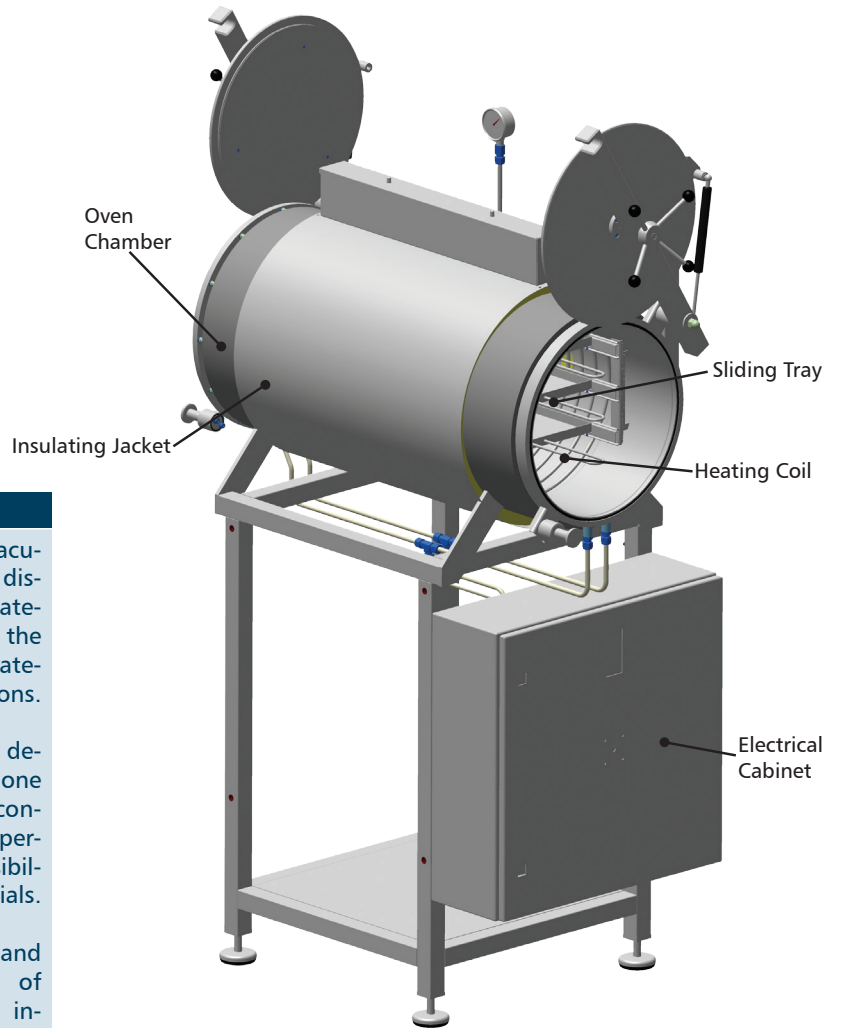
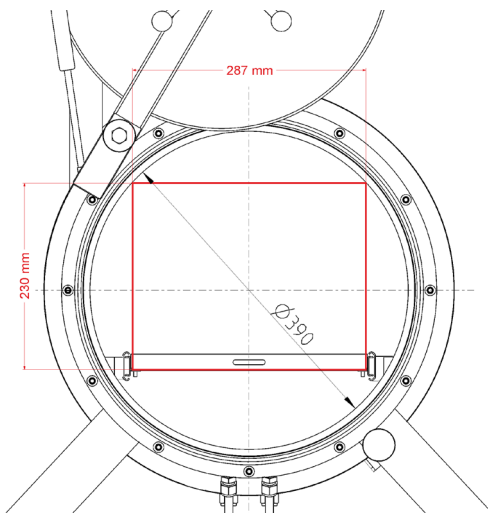
- Designed specifically to operate under vacuum conditions
- Easy transfer of goods into and out of the glovebox
- Available as both glovebox integrated and standalone versions (optional)
- Maximum temperature of 250°C
- Maximum vacuum level $5 \times 10E-2$ mbar
- All stainless steel construction
- Inner and outer door open in vertical direction
- Internal tubular heating coil

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Clean. Engineering. Expertise.



DESCRIPTION

The MB VOH-250 is MBRAUN's most versatile vacuum oven in the VOH series and serves two main distinct functions. The first function is to transfer material into and out of the inert environment whereas the second function allows for the heating of the material under controlled vacuum and/or inert conditions.

Based on MBRAUN's standard main antechamber design, this particular oven features a large heating zone allowing for the heating of larger and more unconventionally shaped components. An increased operating temperature of up to 250°C offers the possibility to quickly dry and cure a wide range of materials.

In addition to having a larger heating zone and 5-step heating program, this oven is capable of heat treating materials and components under inert gas with optional ambient pressure levels.

Being widely used in university research as well as in industrial manufacturing this oven sets standards when controlled heating under vacuum and/or inert conditions is required.

TECHNICAL DATA

| | |
|---------------------------------|--|
| Operation | Heating under vacuum and optional inert atmosphere |
| Oven body | Stainless steel 1.4301 (SUS 304) with insulating jacket and water cooled flanges |
| Heating method | Internal tubular heating coil (resistance heating) |
| Internal available space | 572 x 287 x 230 mm (LxWxH) for 1 tray configuration |
| Maximum temperature | 250°C |
| Temperature controller accuracy | ± 1 °C |
| Ramp-up rate of heating | Max.: 10 K/min, recommended: 5 K/min |
| Vacuum level | 5 x 10E-2 mbar |
| Vacuum pump | Rotary vane pump with 17 m ³ h-1 (10 CFM) |
| Control | PLC control |
| Weight | 230 kg |
| Electrical supply | 400 V 3L/N/PE , 50 -60 Hz, 10 A |
| Option | Configuration with up to 3 trays |

Technical note: Dependent upon operating conditions.

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