

MB-VOH-600

VACUUM OVEN



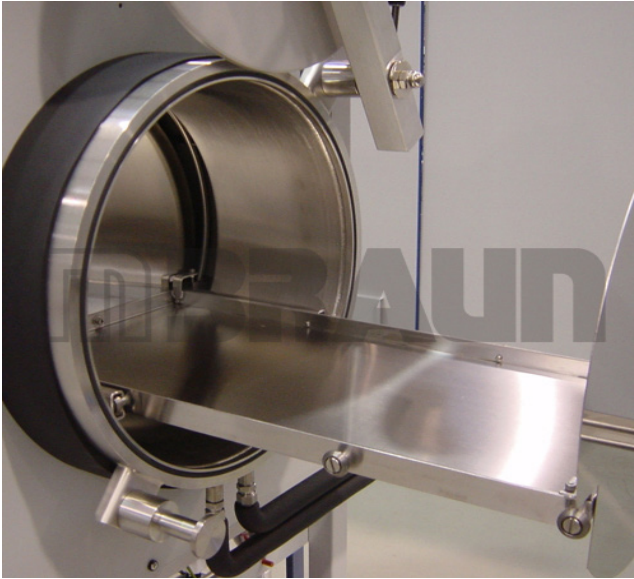
- Designed specifically to operate under vacuum conditions
- Easy transfer of goods into and out of the glovebox
- Available as both standalone and glovebox integrated versions
- Maximum temperature of 600°C
- Maximum vacuum level $5 \times 10E-2$ mbar
- All stainless steel construction
- Inner and outer door open in vertical direction
- Internal tubular heating coil

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MBRAUN

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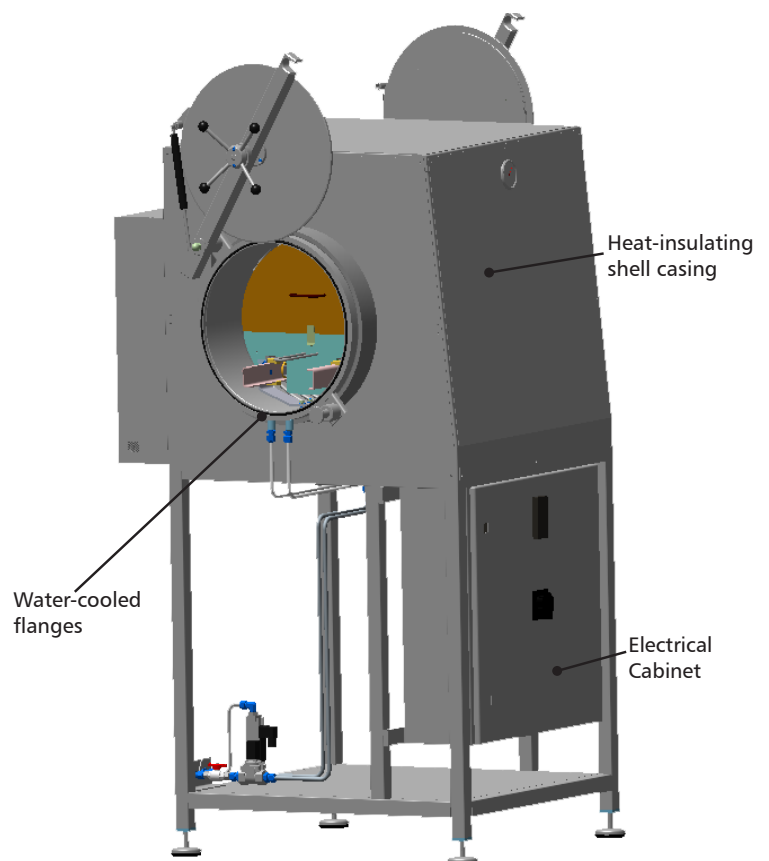
DESCRIPTION

The MB VOH-600 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 600°C offers the possibility to quickly dry and cure a wide range of materials.

In addition to having a larger heating zone and available vacuum bake mode at elevated temperatures, this oven is capable of heat treating materials and components under inert gas at 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 inert atmosphere
Oven body	Stainless steel 1.4301 (SUS 304) with heat-insulating shell casing
Heating method	Internal tubular heating coil (resistance heating)
Internal available space	597 x 337 x 170 mm (LxWxH)
Maximum temperature	600°C
Temperature controller accuracy	up to 700°C UNDER VACUUM ONLY!
Ramp-up rate of heating	± 1 °C
Vacuum level	Max.: 10 K/min, recommended: 5 K/min
Vacuum pump*	5 x 10E-2 mbar
Control	Rotary vane pump with 17 m³h-1 (10 CFM)
Weight	PLC control
Electrical supply	308 kg
	400 V 3L/N/PE , 50 -60 Hz, 10 A

*Technical note: Dependent upon operating conditions.

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