

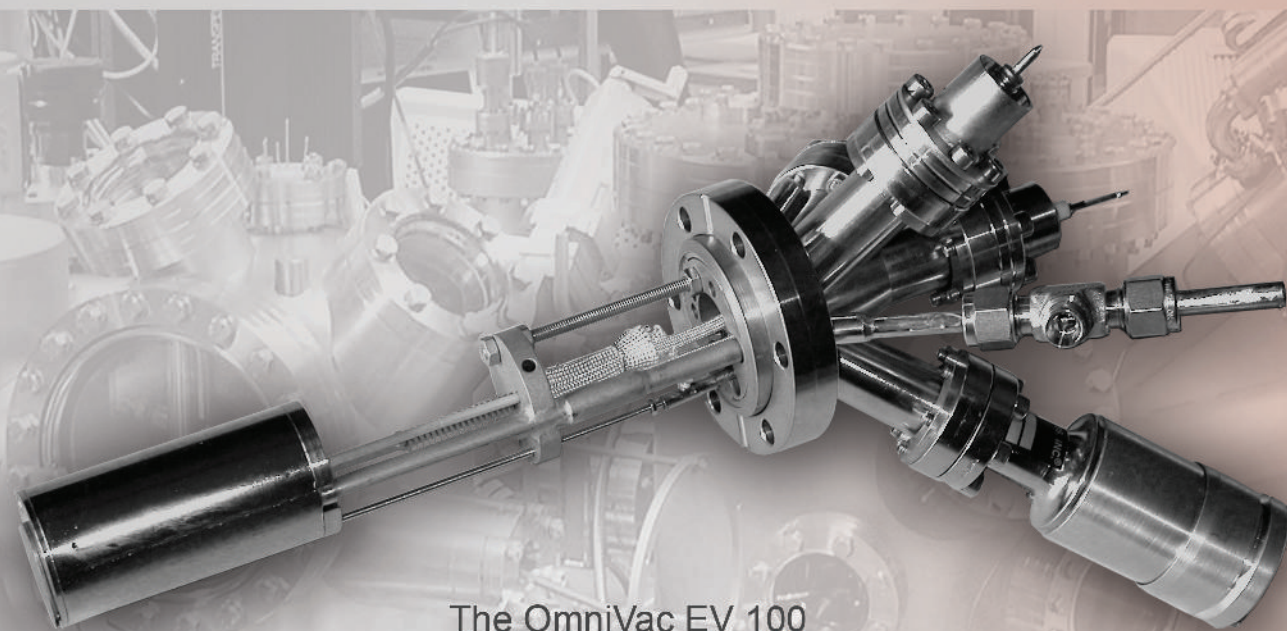


# OmniVac

Surface Analysis and Vacuum Technology

## Single Pocket Evaporator

### EV100



The OmniVac EV 100  
Single Pocket Evaporator  
is a multi-purpose tool  
for controlled evaporation  
of a broad range of materials

- water cooling
- shutter (manual or automatic)
- broad range of evaporants
- 500 - 1800 K
- 0.1 K temperature stability
- different crucible materials

[www.omnivac.de](http://www.omnivac.de)

# EV 100 Single Pocket Evaporator

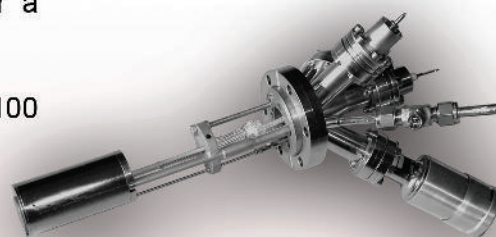
The **OmniVac EV 100 Single Pocket Evaporator** is a multi-purpose tool for controlled evaporation for a broad range of materials.

Equipped with thermal shielding as well as a shutter (manual or automatic), the **EV 100** can be used either as an effusion or a Knudsen cell.

To meet the requirements of specific chamber designs, the EV 100 can be ordered with different overall lengths.

Temperature is measured by springloaded thermocouples.

The **PS-EV 100** power supply controls the heating current and temperature in a closed loop system using an Eurotherm 2416 PID controller.



<i>Heater</i>	Ta-wire (indirect heating)
<i>Thermocouple</i>	Type K standard, Type C on request
<i>Operating range</i>	500-1800 K
<i>Max. outgassing temperature</i>	1900 K
<i>Temperature stability</i>	± 0.1 K
<i>Mounting flange</i>	DN 40 CF
<i>Power consumption</i>	max. 300 W
<i>Working distance</i>	100-150 mm
<i>Crucible materials</i>	Al <sub>2</sub> O <sub>3</sub> , Graphite, BN, refractory metals
<i>Crucible volume</i>	6 cm <sup>3</sup>

▶ 500 – 1800 K

▶ thermal shielding

▶ different crucible materials

▶ effusion and knudsen cell

▶ easy alignment

#### Related products:

**EV 200** Single Pocket Evaporator, crucible volume 10 cm<sup>3</sup>

**EV 300** Four Pocket Evaporator

**QMB 100** Quartz Microbalance

#### PS-EV 100 Power Supply

<i>Temperature regulation</i>	Eurotherm 2416
<i>Interfaces</i>	RS 485
<i>Display</i>	Filament voltage, filament current, temperature
<i>Dimensions (W x H x D)</i>	19" x 133 mm x 445 mm



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