



OmniVac

Surface Analysis and Vacuum Technology

Four Pocket Evaporator

EV 300



The OmniVac EV 300 Four Pocket Evaporator is designed to allow for evaporation of up to three different of materials with different evaporation temperatures at the same time

■ 4 independently controlled crucibles

■ 4 Type-K thermocouples

■ shutter mask for controlled co-evaporation

■ water cooling

■ low crosstalk

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EV 300 Four Pocket Evaporator

The **EV 300 Four Pocket Evaporator** is designed to allow for evaporation of up to three different materials with different evaporation temperatures at the same time.

The highly effective water cooling enables thermal separation of the indirectly heated Mo-crucibles.

The temperature of each crucible is monitored by an independent type K thermocouple.

The **EV 300** is mounted on a DN 40 CF. Its length can be adjusted to meet the requirements of specific chamber designs.

An individually designed shutter mask allows opening and closing of different combinations of up to three crucibles.

Four PS-REG 100 power supplies control the heating current and temperature of the crucibles in a closed loop system via PID controller.



<i>Heater</i>	W-wire (indirect heating)
<i>Thermocouple</i>	Type K
<i>Operating range</i>	300-1200 K
<i>Max. outgassing temperature</i>	1300 K
<i>Temperature stability</i>	better 0.1 K
<i>Mounting flange</i>	DN 40 CF
<i>Power consumption</i>	max. 300 W
<i>Working distance</i>	100 mm
<i>Crucible materials</i>	Al ₂ O ₃ , Graphite, BN, refractory metals
<i>Crucible volume</i>	0.5 cm ³

▶ 300 – 1200 K

▶ thermal isolation between crucibles

▶ different crucible materials

▶ DN 40 CF flange mounted

▶ custom length

Related products:

EV 100 Single Pocket Evaporator

EV 200 Single Pocket Evaporator, crucible volume 10 cm³

QMB 100 Quartz Microbalance

PS-REG 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



OmniVac
Hertelsbrunnenring 30
D-67657 Kaiserslautern / Germany

Tel +49 (0) 631 3110740
Fax +49 (0) 631 28056
sales@omnivac.de