

Our ultra compact UHV suitcase is designed to carry up to 5 Omicron type sample plates\* under ultra high vacuum (UHV) conditions (P ~ 10-10 mbar). The original pumping solution based on a Non Evaporable Getter (NEG) allows to keep UHV conditions even without powering and makes easy long trip transports and aircraft travelling.

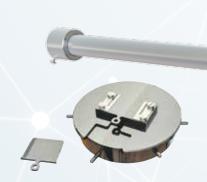


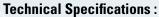




- The samples can be safety locked during the transport.
- The UHV suitcase is delivered with proper end tip of transfer rod (see drawings).

An optional protective aluminium box for travelling is also proposed.





- Mounting flange: 40 CF
- Sample type : compatible with Omicron or SPECS sample holders and 2 " Molyblok type
- Residual pressure : 2. 10-10 mbar
- Pressure reading and recording : by Ion pump supply
- Weight: 8.5 kg
- Dimensions (see drawings): L1 = 235 mm H = 405 mm L2 = 116 mm
- Bake out temperature : 150 °C
- Pumping unit: SAES NEG model NEXTOR 100D-5 with SIP power supply
- Pumping speed:  $O_2$ : 100L/s  $N_2$ : 40L/s  $H_2$ : 100L/s  $H_2$ 0: 100L/s  $CH_4$ : 5L/s
- NEG Activation power: V = 9V I= 5 A (45W for 1h)

## **Optional power supplies**

- NIOPS 03 power supply including NEG activer
- IP BPS 01 (portable ion pump power supply)

Example of configuration with transfer rod connected to the customer set up\*

Transfer rod Your UHV chamber UHV suitcase

<sup>\*</sup> Possibility to mount the transfer rod on the UHV suitcase









