

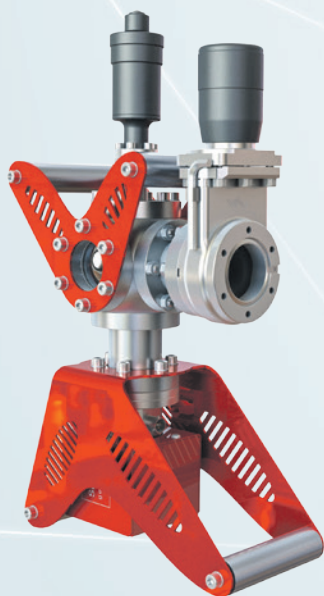
UHV SUITCASE

*The best tool
to easily transport
your samples*

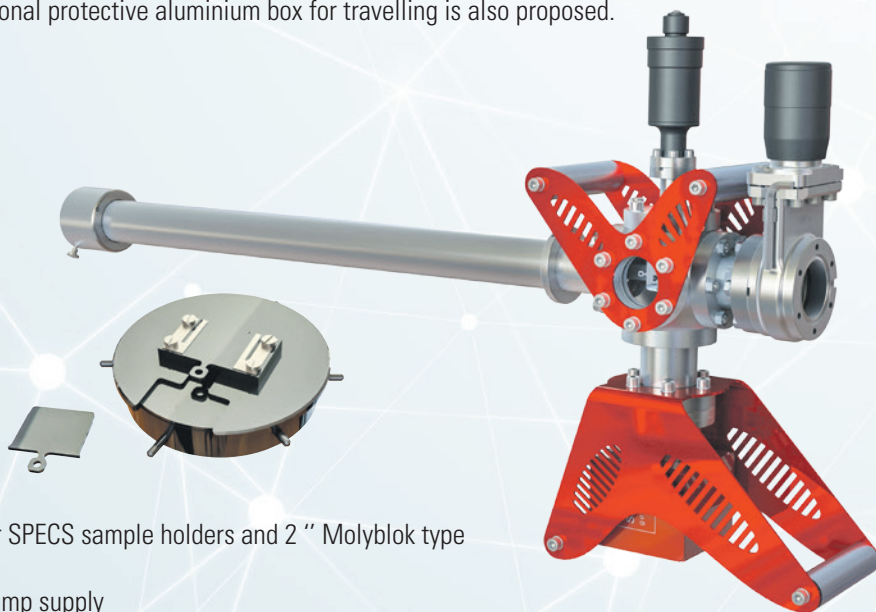


Our ultra compact UHV suitcase is designed to carry up to 5 Omicron type sample plates* under ultra high vacuum (UHV) conditions ($P \sim 10^{-10}$ mbar). The original pumping solution based on a Non Evaporable Getter (NEG) allows to keep UHV conditions even without powering and makes easy long trip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



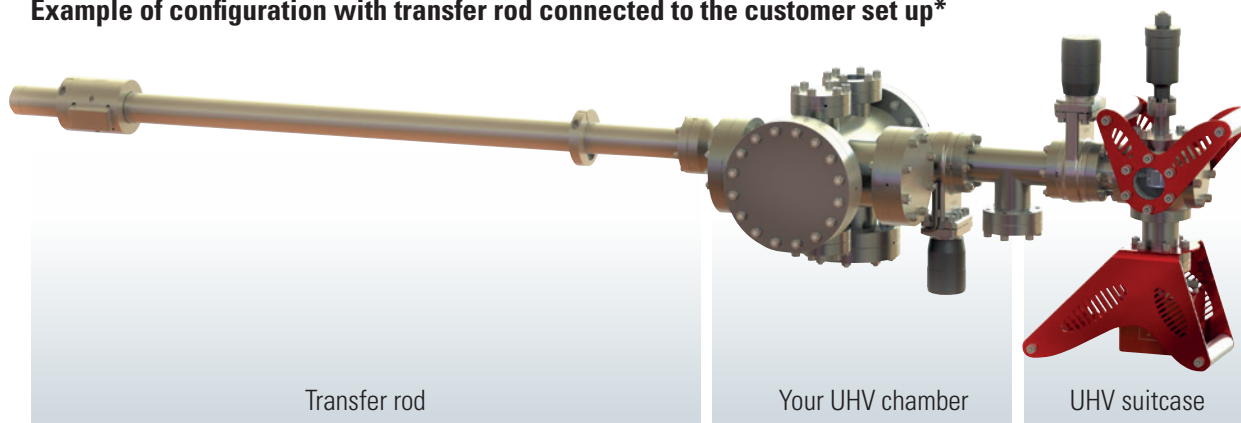
Technical Specifications :

- 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 : O₂ : 100L/s N₂ : 40L/s H₂ : 100L/s H₂O : 100L/s CH₄ : 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

* Possibility to mount the transfer rod on the UHV suitcase