

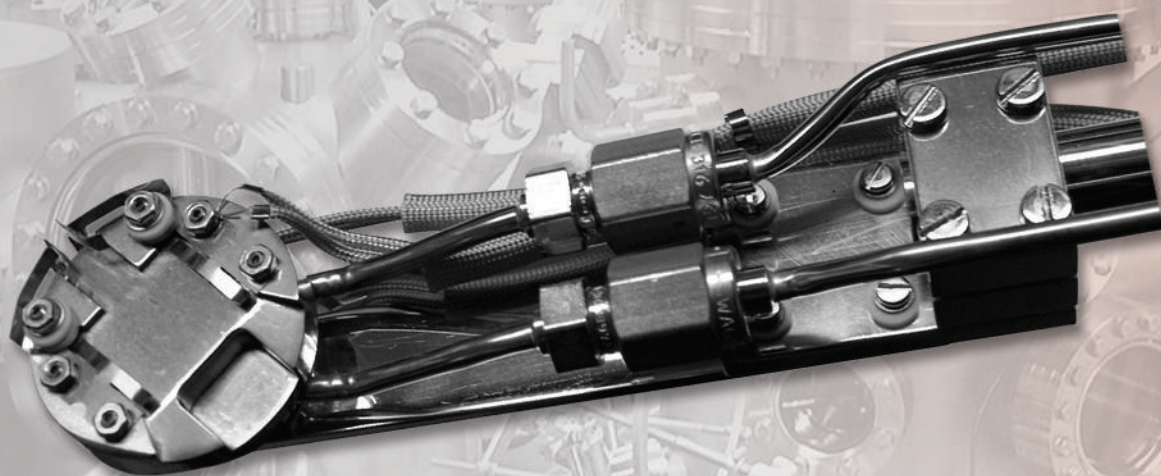


OmniVac

Surface Analysis and Vacuum Technology

Sample Holder Receiving Station with cooling option

SHR 40 C



■ for flag style sample holders

■ 2 thermocouples

■ small size

■ mounted on CF 40 flange

■ fast cooling rates

■ continuous LN₂ cooling

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SHR 40 C Sample Holder Receiving Station with cooling option

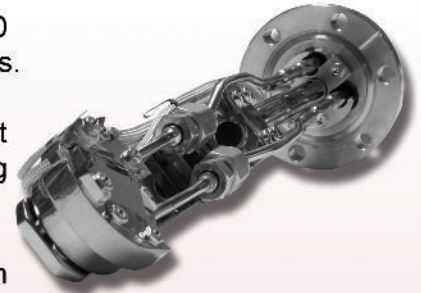
The SHR 40 C stage is a small size cooling station for flag style sample holders (Omicron/Specs type).

Due to its compact design it fits to standard 36mm inner diameter CF40 flanges and is therefore particularly suited for many small vacuum chambers.

The SHR 40 C comes with liquid nitrogen cooling. Optimized thermal contact of the sample holder to the LN₂ reservoir made from Cu provides fast cooling rates down to temperatures of < 90K.

The temperature is monitored by two type K thermocouples, one directly on the stage and a second contacting the sample holder via spring contacts.

The stage is completely build up from non-magnetic materials. Mounted either on our HPM Mini XYZ manipulator or on one of our CF40 Z-retractors with or without tilt the SHR 40 C provides reliable position alignment of your samples.



Electrical contacts

- Thermocouple (Chromel/Alumel) directly on the cooling stage
- Thermocouple directly on sample contacting via springs

Cooling

direct cooling of the sample holder on LN₂ reservoir made from Cu
Temperature < 90K

- ▶ 2 thermocouples
- ▶ for flag style sample holders
- ▶ fast cooling rates
- ▶ small size
- ▶ mounted on CF 40 flange
- ▶ continuous LN₂ cooling

Related products:

flag style sample holder series with/without thermocouple
CF 40 HPM Mini manipulator series
CF 40 Z-Manipulator with and without tilt



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