Pr
Products

CryoVac
Gesellschaft für Tieftemperaturtechnik mbH & Co KG

Konti-IT-Cryostat-Spektro-N

KONTI-IT-Cryostatsare continous flow cryostats with integrated liquid helium tank. It can be operated either as a bath cryostat or as an evaporator. For most applications, this cryostat type has a central sample chamber, which is accessed from the top „top loading“. In normal operation, the cooling fluid (liquid or gaseous) comes out of the heat exchanger through a sintered diffusor into the sample chamber and floods the sample. This way, the maximum cooling power can be reached, since the sample is located directly in the gas flow. For particular applications requiring the sample to be kept outside the cooling fluid, a separate tube can be used. In this case, the cooling occurs via contact gas (helium). For special cases, were the sample has to remain in vacuum other designs are possible too. These systems can reach temperatures down to 1,2 K.

The cryostats are made of stainless steel, manufactured according to the actual rules and equipped with all required safety installations at the various tanks.

Application: UV,IR,
Raman-Spektroscopy

- continous flow cryostat with integrated He-Tank
- no transfer tube necessary
- temperature range 68-325 K
- temperature stability < 0,1 K
- compact design
- sample in contact gas area (top loading)
- sample tube dia. 30 mm
- capacity LN_2-tank 3,8 ltr.
- quick and easy sample changes (also in cold condition)
- typ.sample tube dia. 22, 25, 30, 45 mm
- 1 to 4 windows 90°, bottom

window (optional)

- windows changeable (optical quarz, other materials on request)
- ask for custom configurations

Konti-IT-Cryostat-Spektro N
500 K version with HF sample holder

Accessories

- sample holder (different models)
- temperature measurement and control unit
- contact-gas block valve
- He-gas block valve
- N_2-vacuum pump
- HV-vacuum pump unit

It has to be pointed out, that our cryostats are build after placing an order, exclusively. This gives us the opportunity to offer specially customer designed systems. Among our standard cryostats we are able to change dimensions and specifications or add completions specially for your requirements and experimental conditions, too. If there are questions about technical details do not hesitate to contact us.

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