

DODECON

nanotechnology GmbH

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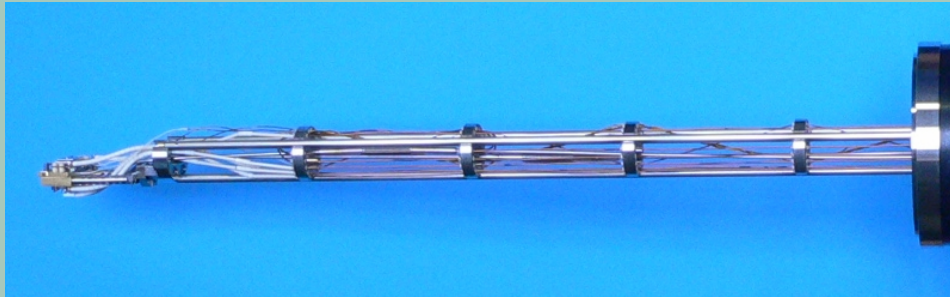
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LN2 Cryostat



Low cost

For > 80 K applications

Custom defined length

Low-cost LN2 axial flow cryostat for applications where temperatures > 80 K are needed. The cryostat is composed by LN2 input and output steel tubes ending in a copper heat exchanger. The cryogenic transfer lines are supported by a rigid frame hosting also the electrical wiring. The compact design conjugates great versatility and fast cooling.

- Mounted on rotatable DN65CF flange. Different flange sizes on demand.
- Thermocouple temperature sensor and feedthrough.
- Additional multipin electrical feedthroughs on demand.
- Custom cryostat length up to 600 mm.
- Fast cooling rate up to 20 K/min.
- Lowest temperature 80 K (at Cu block).
- Ultra high vacuum compatible to pressures of 10^{-11} mbar.
- Bake out temperature up to 200°C.
- To be used with a differentially pumped rotary seal if axial rotation is needed.
- The copper heat exchanger can be custom designed.

