

Less than 10 nm displacement at sample **ACHIEVE ULTRA LOW VIBRATION**

The Stinger transfer line naturally bleeds off vibration between the cooler and the experimental coldhead.

Combining it with ColdEdge's **Pulse Tube Setup** and our **ULV cryostat interface** creates the lowest vibration closed cycle system commercially available.

Ask for our measurement data!



Reduce vibrations and
reclaim your table.

OFF-TABLE CRYOCOOLER = MORE ELBOW ROOM

Operate in any orientation and leave more space for work happening around the experiment.

PRE-PREPARED ENVIRONMENTS = FASTER RUNTIMES

Reduce experiment times and increase lab productivity by running multiple cryostats on a single cooldown.



LEARN MORE

LHe-Free Closed Cycle Cryogenic System



< 4 K to 1000 KELVIN

STINGER COOLING SYSTEM

- Operates nonstop in **any orientation**, and easily moveable around lab
- Flexible transfer line (up to 3m length) dampens vibrations to <10 nm
- Creates a “dry” closed loop: *No more costly liquid helium refills*
- **Compatible with MANY pre-existing flow cryostats - check yours!**

One Cryocooler for the Whole Lab MODULAR CLOSED-CYCLE LOOP

Compatible with Multiple Cryostats PLUG-AND-PERFORM DATA



How It Works: Supercooled helium gas flows via the Stinger™ transfer line to reach experimental temperatures at cryostat.

Used helium **stays in the system**, returning through the same line to be recirculated, recharged, and recycled continuously.



Open-cycle liquid helium DEWARs roll around the lab to feed different “flow” experimental heads. The Stinger can do that too, cooling down then moving between cryostats - **all within a closed cycle.**

Model	Stinger™ 4K	Stinger™ 10K
ESR900	<6K	<14K
CF935	<4.9K	<11K
Optical	3.8K	9K
Microscope	3.8K	9K
NMR	7K	<16K
ColdEdge Flow Cryostats	<3.8K	<8K

For use with:

- Optical
- Nonoptical
- EPR
- ARPES
- Narrow Gap
- Microscopy
- DAC

and more...



UPGRADE EXISTING EQUIPMENT

Easily convert flow cryostats into dry LHe-free systems.



DISCOVER CUSTOM SOLUTIONS

ColdEdge offers multiconfigurible cryostats & tailored designs.

