

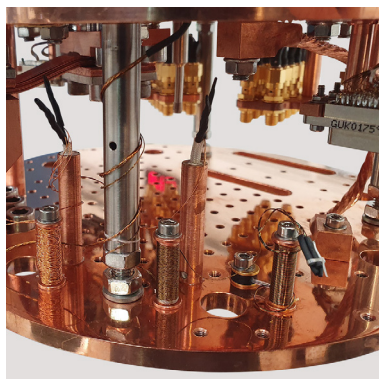
# ICE

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## DRY ICE<sup>3K</sup> FLEXI

**A cryogen free top loading cryostat offering lower vibration between 3K and 300K.**

This adaptable system can be easily upgraded to achieve a base temperature of 1K alongside options for the addition of optical access perpendicular or parallel to a magnetic field.



## KEY FEATURES

- $\pm <0.5\mu\text{m}$  vibration using a GM Coldhead
- Upgradable to achieve 1.0K base temperature
- Customisable sample space
- Options for optical access within a magnetic field

	DRYICE <sup>3K</sup> FLEXI	DRYICE <sup>10K</sup> FLEXI
<b>COLD HEAD COOLING POWER</b>	Up to 2.0W @4.2K	1.2W @ 10K
<b>BASE TEMPERATURE</b>	2.8K	8.5K
	Upgradable to 1.0K	
<b>COOLDOWN TIME FROM ROOM TEMP.</b>	6.25 hours to 5K	4 hours to 10K
<b>ACCESS TO SAMPLE SPACE</b>	Bottom loading	
<b>INTEGRATED SUPERCONDUCTING MAGNETS</b>	Split-pair, Solenoid and Vector Rotate magnet options available	
<b>OPTICAL ACCESS</b>	f2.8	
	Sapphire, Quartz and Spectrosil windows, other materials available on request	
<b>TEMPERATURE STABILITY</b>	$\leq \pm 10\text{mK}$ at 5K and below as standard	$\leq \pm 20\text{mK}$ at 10K or below as standard
<b>VIBRATION AT BASE TEMPERATURE</b>	$\pm <0.5\mu\text{m}$	$\pm 0.3\mu\text{m}$
<b>SAMPLE ENVIRONMENT</b>	Vacuum	
<b>SAMPLE SPACE</b>	$\varnothing 244$ as standard, other options available	
<b>COMPRESSOR</b>	Water or air cooled	
<b>TEMPERATURE CONTROLLER</b>	Lakeshore 336 as standard (other controllers available on request)	

