

The Fridge

Hassle-free performance
so you can focus on
innovation

Reimagined from the ground
up, The Fridge supports
increased qubit counts and
unmatched performance in a
dramatically smaller footprint.



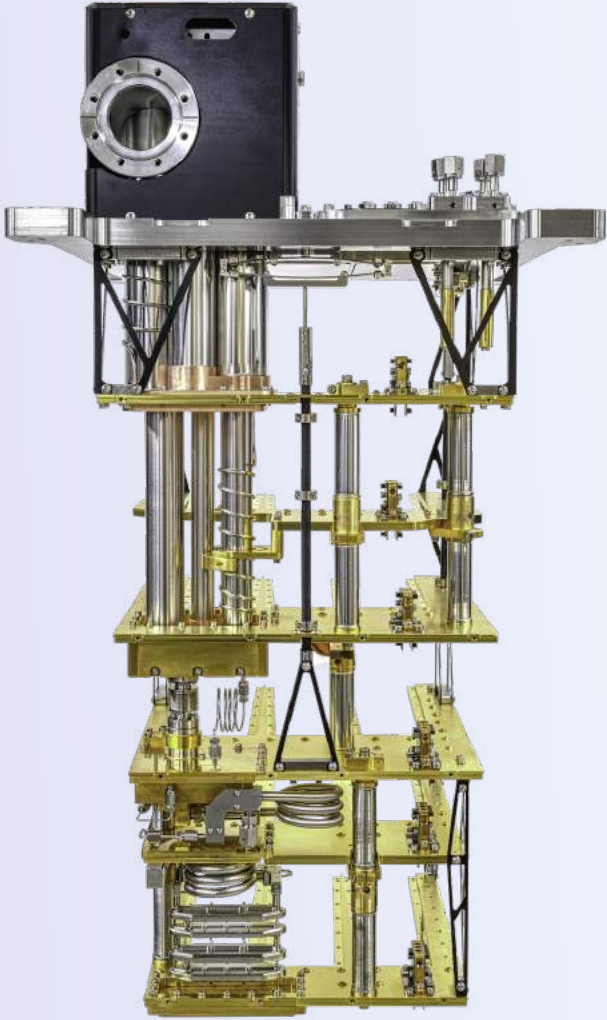
Cool more with less: innovative system design to better harness cooling power	More fridges per lab: every component fits inside two 19" server racks	500 μW cooling power @100 mK
		35 liters sample volume
Larger experiments: supports 300+ SMA- connectorized cables or 4,000+ Flexline traces	Iterate quickly: quick sample access and front-loading inserts	4,000+ cold traces
		Best-in-class reliability: <ul style="list-style-type: none">• no more scroll pump• zero acid-flux or solder• minimal rubber• infinite life-cycle helium trap
Less noise: designed to minimize thermal, electrical, and acoustic noise	Smarter software: open-source, secure, and easy to use	maybellquantum.com

Why The Fridge?

Cutting-edge, proprietary technology
drives The Fridge's outstanding
reliability, flexibility, and user
experience. And, with a base
temperature below 10 mK, The
Fridge exceeds the most demanding
performance standards.

Service guarantee

We are so confident in the
performance and reliability of our
systems, that all Maybell fridges are
covered by an extensive service
warranty with same day response
and “roadside assistance.”



Technical specifications

Base temperature	< 10 mK
Cooling power at 100 mK	> 500 μ W
Cooling power at 20 mK	> 14 μ W
Sample space volume	> 35 L below MXC; > 140 L above MXC (300 K – MXC)
Mixing chamber plate area	386 mm x 366 mm (> 1,400 cm ²)
SMA wire capacity	> 300 (SMA), > 4,500 (Flexlines)
Cool down time	< 36 hours