



PHOENIXNMR

Elevating your science

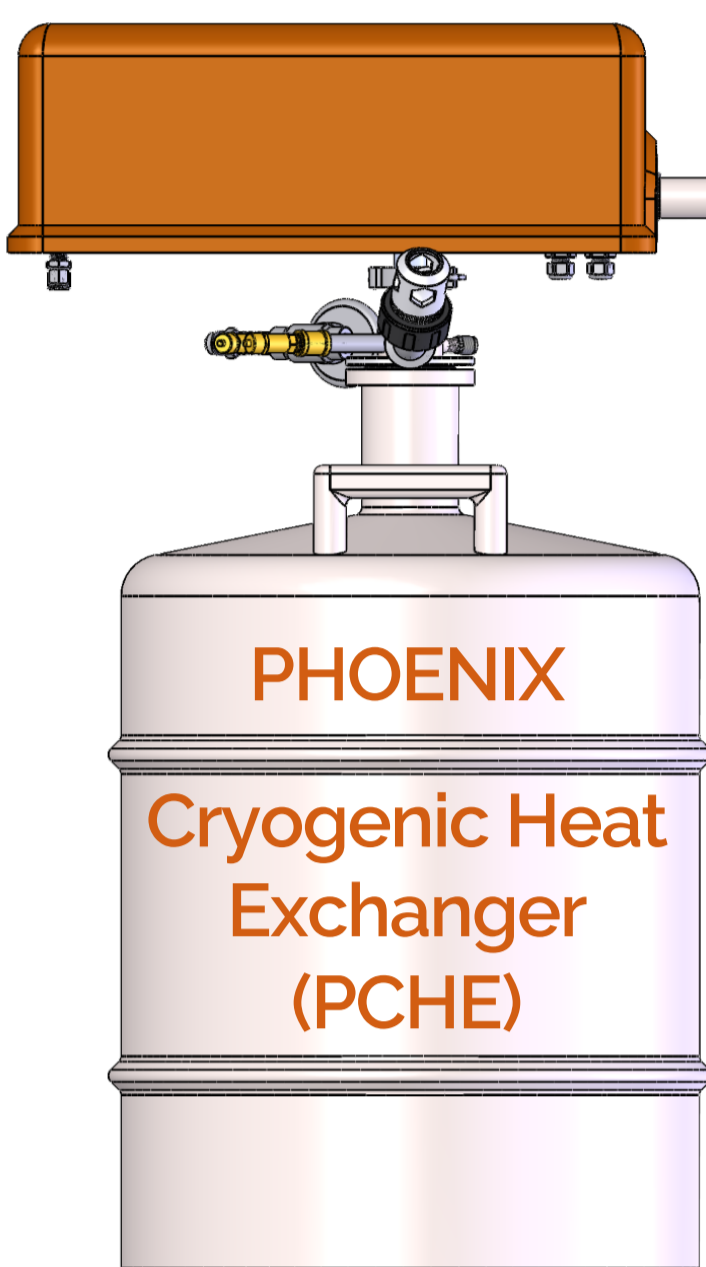
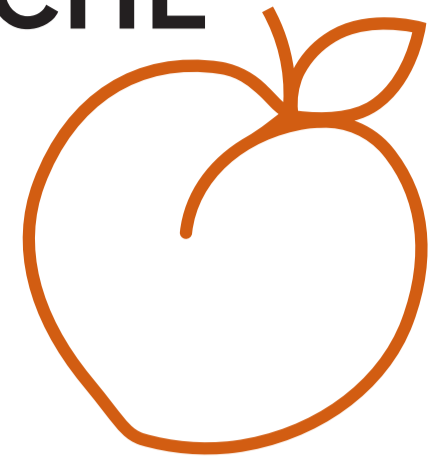


Phoenix Cryogenic Heat Exchanger, PCHE

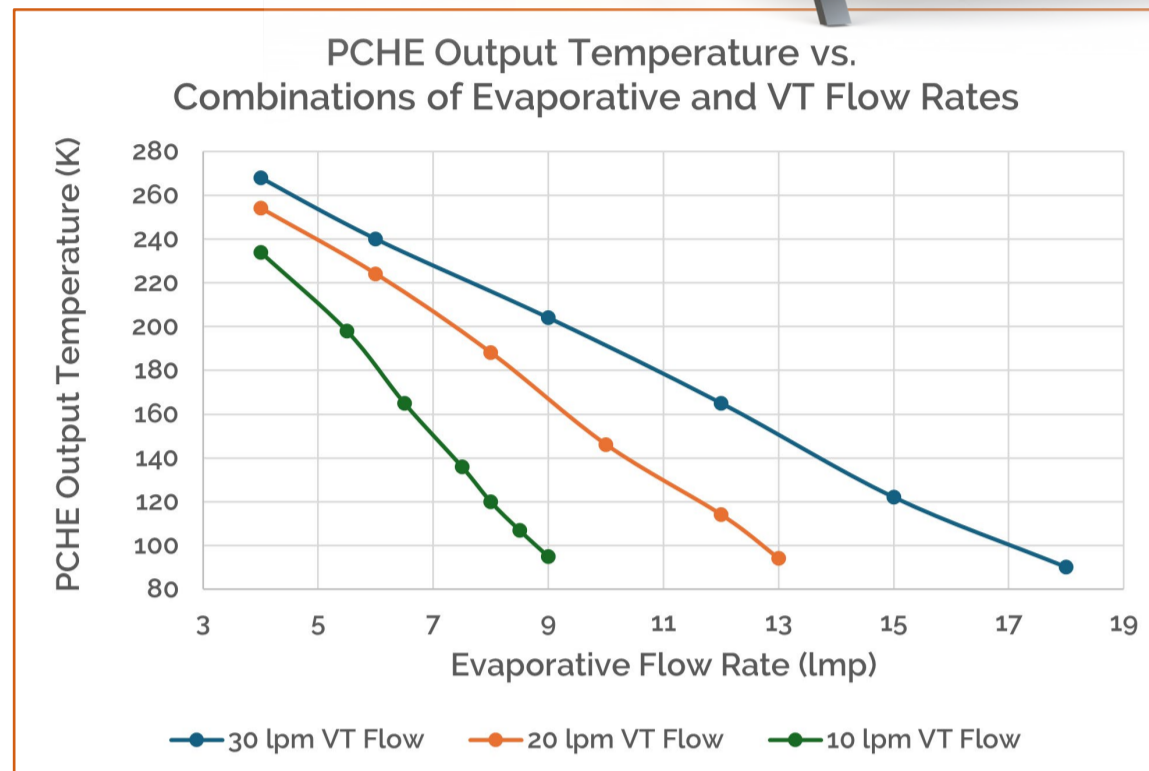
Pronounce it *Peachy*, because...

your low-temperature life is just Peachy with PCHE.

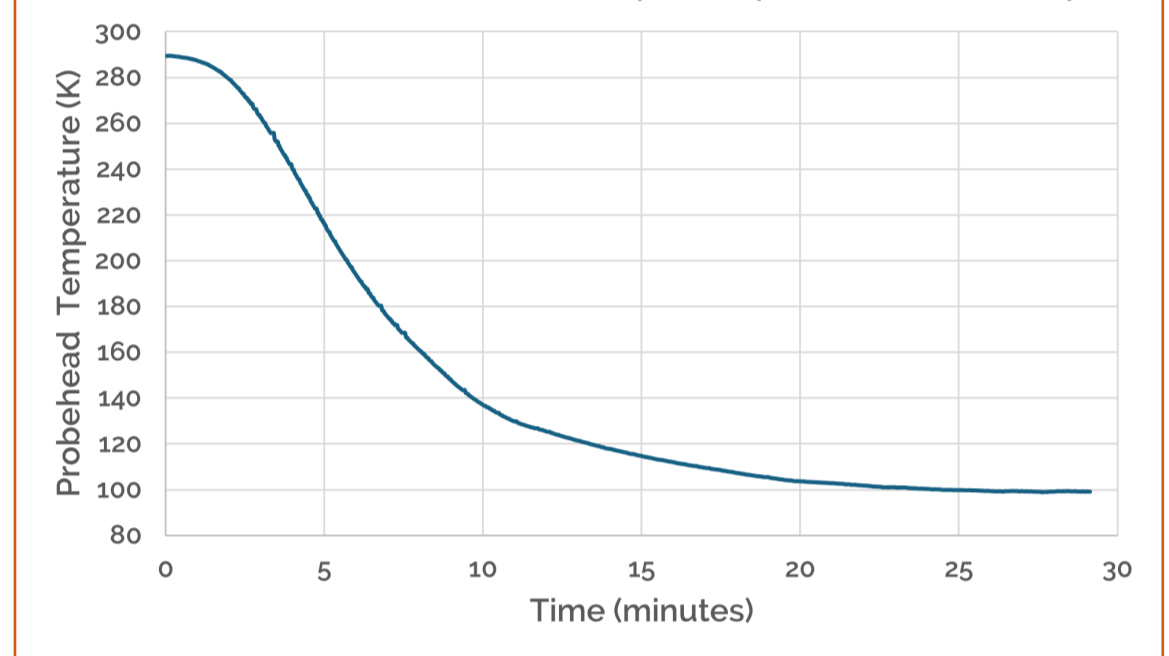
Optimize Your VT and Spinning Performance by combining PCHE with PMAS.



PMAS Speed Controller



Probe Cooldown Rate with PCHE
VT Flow = 30 lpm; Evaporative Flow = 17.5 lpm

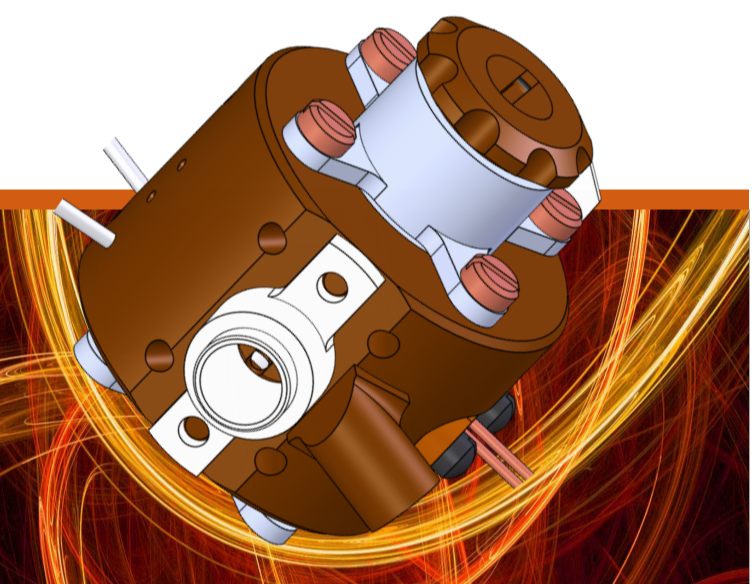


PCHE provides an automated feed-back algorithm to stabilize VT temperatures when operating with cryogenic liquids. PCHE's 50-l dewar can generate VT gas as low as 90K and 30 lpm indefinitely, with refill of LN₂ every 24-36 hours without interrupting NMR experiments.

PMAS provides advanced speed control with on-the-fly switching between manual and automated spinning modes to keep you spinning when samples are difficult, at high and low temperature extremes, and any time you just need to make control adjustments while spinning.

1.3mm Bruker-rotor Compatible Module

Pairing standard Bruker 1.3mm rotors with a Phoenix Module and Probe

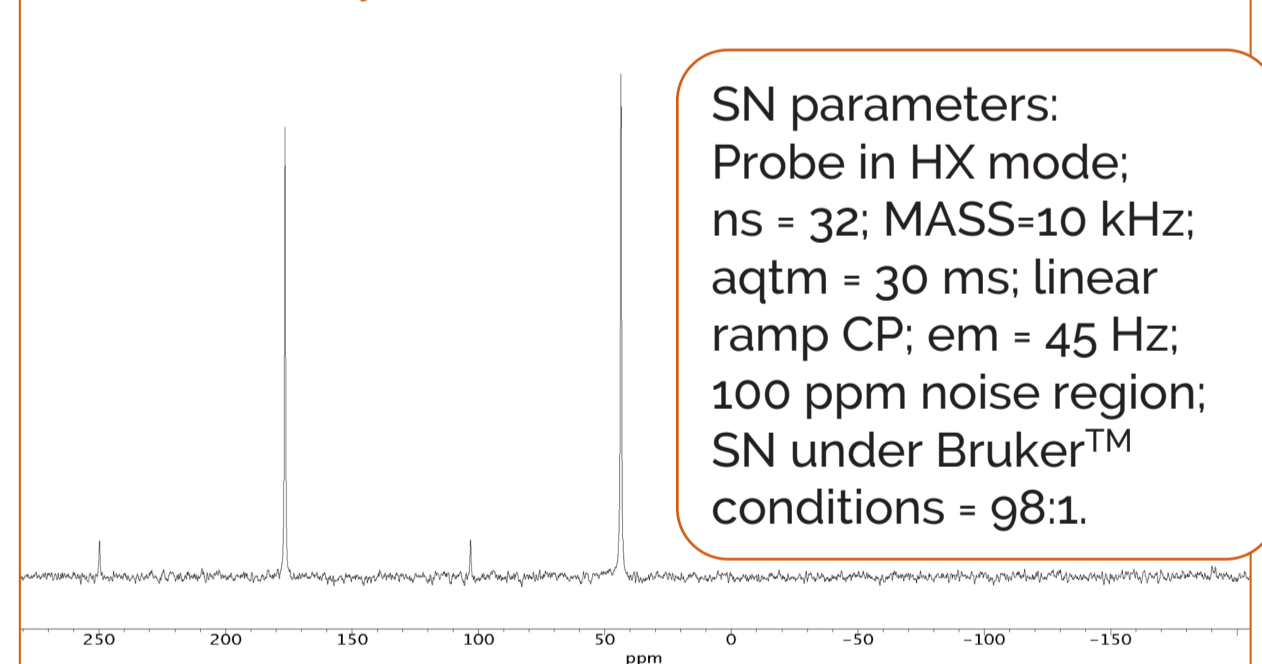


Many of our clients in the solid-state NMR community have suggested that the integration of the well-established Bruker™ 1.3mm rotor system with the PhoenixNMR probe technology could provide important experimental capabilities. PhoenixNMR has responded to this need by designing a new spinning module that is fully compatible with existing Bruker™ 1.3mm rotors while offering extended VT performance and the full RF functionality available in all of our H(F)XY and H(F)X probes.

Probe Configurations

- 400 MHz – 1.2 GHz
- Premium HFX and HXY
- HFX and HX
- Low Gamma

¹³C SN of Glycine at 600 MHz = 103:1, HFX Probe



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