



# ZERO POINT CRYOGENICS

## Model I Dilution Refrigerator

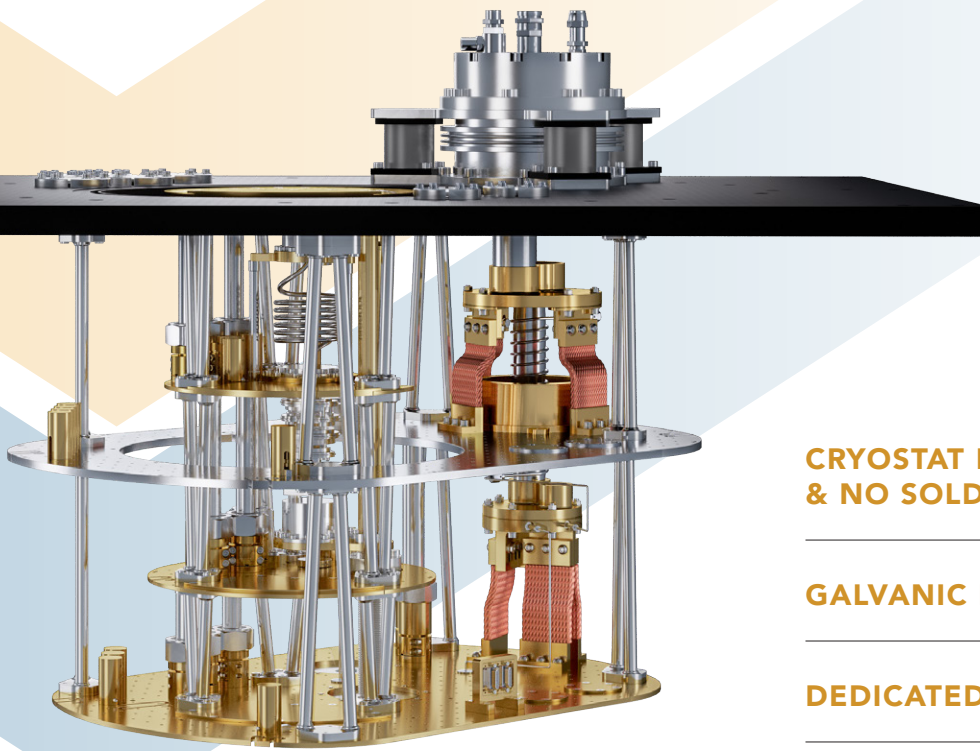
THE COMPACT INNOVATOR

- › Inverted, table-top design
- › Extended-life cryogen-free cold trap
- › Optical access ready
- › Simple, single-person sample exchange



### › TECHNICAL SPECS

Compact footprint	2.0 m <sup>2</sup> Including the GHS, customizable
Base temperature	<20 mK
Cooldown time	<30 hours
Cooling power	>250 $\mu$ W at 100 mK
Sample size <b>NEW</b>	250 mm diameter • 190 mm vertical space



**CRYOSTAT FEATURING ALL METAL SEALS  
& NO SOLDERED CONNECTIONS**

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**GALVANIC ISOLATION**

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**DEDICATED AUXILIARY PUMPING SYSTEM**

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**48 MONTH WARRANTY**

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**BENCHTOP SAMPLE HEIGHT,  
WITH OPTICAL TABLE INTEGRATION**

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**EXTENDED LIFE COLD TRAP**

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#### **SOFTWARE**

- › One-button cool down
- › Touchscreen display
- › Remote operation

#### **ADD-ON FEATURES**

- › Pulse tube upgrade
- › Enhanced vibration isolation
- › Fiber-optics
- › DC wiring
- › RF coax wiring
- › Free space optical access and optical ports
- › Superconducting single-axis magnets

#### **› WHY ZERO POINT CRYOGENICS?**

Zero Point Cryogenics (ZPC) is a North American manufacturer specializing in hand-crafted dilution refrigerators and cryogenic equipment. ZPC's easy-to-use and compact solutions satisfy space, size, and operation requirements for industry, government and academia. We have a broad spectrum of in-house expertise, ensuring quality in every step of the manufacturing process. At ZPC, we continue to strenuously push innovation in cryogenics today to unlock the full potential of quantum technologies in the future. Our series of cryostats and dilution refrigerators are backed by an extended warranty on every component manufactured by ZPC for added peace of mind. We help our customers focus on developing their quantum technologies, instead of operating their fridges.