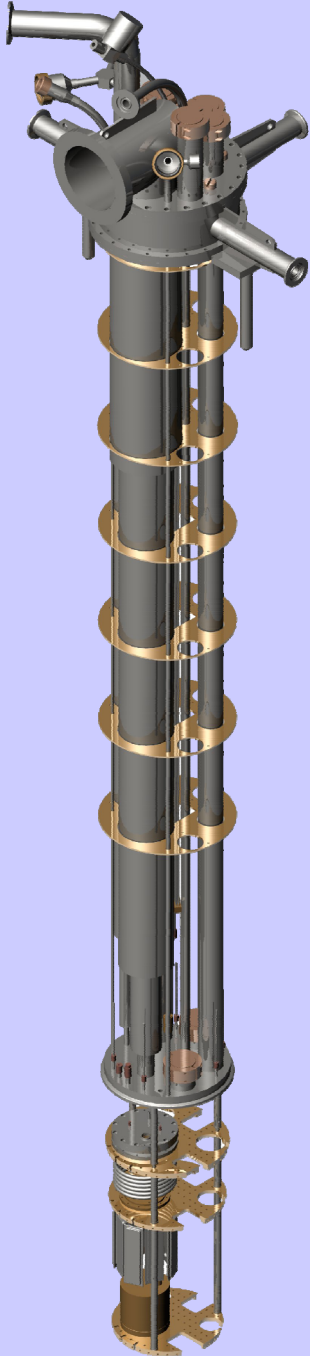




CONVENTIONAL DILUTION REFRIGERATOR SYSTEMS



*Model DR-JT-S-400-10
(400uW at 100mK; \leq 10mK Base)*

- Cryomagnetics / Cryoconcept dilution refrigerators are based on technology from CEA Laboratories.
- Easy assembly / disassembly with removable clamps on the IVC allows for fast sample changes.
- Manual or automatic gas handling means simple, user-friendly operation.
- Joule-Thomson helium condenser is provided instead of a 1K pot for simplicity (no liquid helium consumption). If a 1K pot is desired, it can be provided.
- 4.2K—8mK Thermometry provided.
- Standard configurations include:
 - Manganin or phosphor-bronze twisted pairs
 - Flexible coaxial cables
 - Clear shot access to samples
- Customizable options include:
 - Mechanical sample manipulation (manual or motorized)
 - Special coaxial cables
 - Liquid access port at 4.2K
 - Plastic mixing chambers
 - Neutron application IVC and radiation shield
 - Compact dilution stages
 - Superconducting magnet integration

Contact us about your specific application for a customized quotation.



CRYOMAGNETICS, INC.
INNOVATIVE TOOLS FOR SCIENTIFIC RESEARCH

Standard Dilution Refrigerator Configurations

Model	DR-JT-S-30-30	DR-JT-S-100-10	DR-JT-S-200-100	DR-JT-S-400-10
Base Temperature	≤ 30 mK	≤ 10 mK	≤ 10 mK	≤ 10 mK
Cooling Power at 100 mK	30 μ W	100 μ W	200 μ W	400 μ W
Diameter	70 mm	110 mm	150 or 180 mm available	180 or 250 mm available
Access Ports in Vacuum (dia.)	2 (6 mm)	3 (7 mm)	2 (38 mm)	3 (38 mm)
Access Ports through the Helium Bath (dia.)	N/A	1 (5 mm)	3 (38 mm) with 180 mm dia. unit	5 (38 mm) with 250 mm dia. unit

Custom systems available!



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