**Dilution fridge inserting procedure**

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1. Evacuate the vacuum chamber and perform leak test.
2. Unscrew the top plate from the storage rank. Install lifting accessories.
3. Hook up and secure the fridge to the crane, and move it carefully to the cryostat.
4. Install and secure the sliding shield, align the marks.
5. Flush helium gas through 1K pot pumping line for 1 minute, and check the flow with ethanol.
6. Connect the secondary recovery line to the primary to increase the (pressure) buffer’s size.
7. Position the fridge and lower it until the sliding shield seals the opening of the cryostat.
8. Open the venting valve between the sliding shield and helium recovery line.
9. Slowly lower the fridge, maintain the pressure inside the cryostat below 60 mBar throughout the whole process until the fridge is fully inserted. Screw down the top screws to secure the fridge position.
10. Close the venting valve to the sliding shield and remove the connection between the primary helium recovery line and the secondary one.