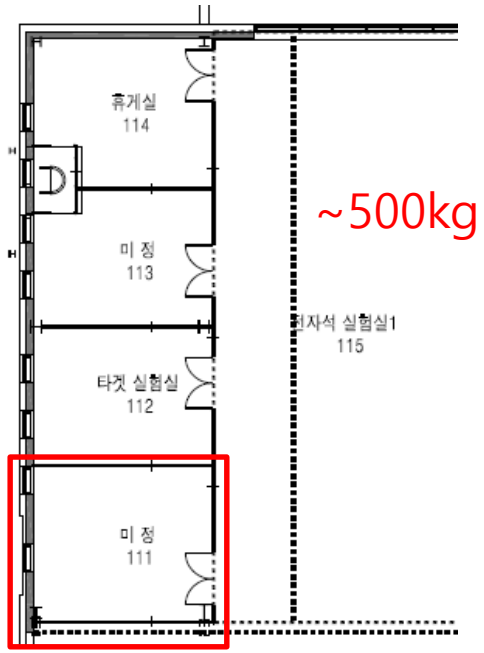
KU Magnet

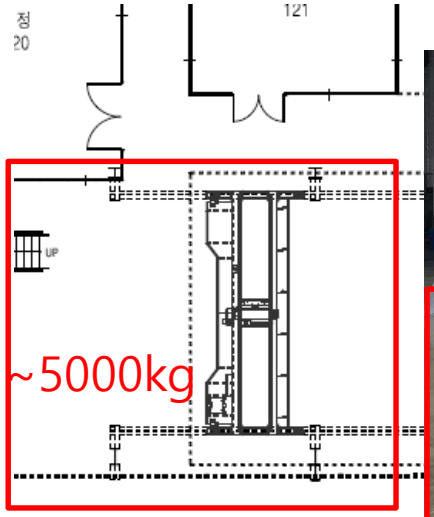
3-1 Mass of System

Mass of system cryostat without cryogen	: 700 ± 20 kg
Mass of cryogen	: 81 ± 5 kg

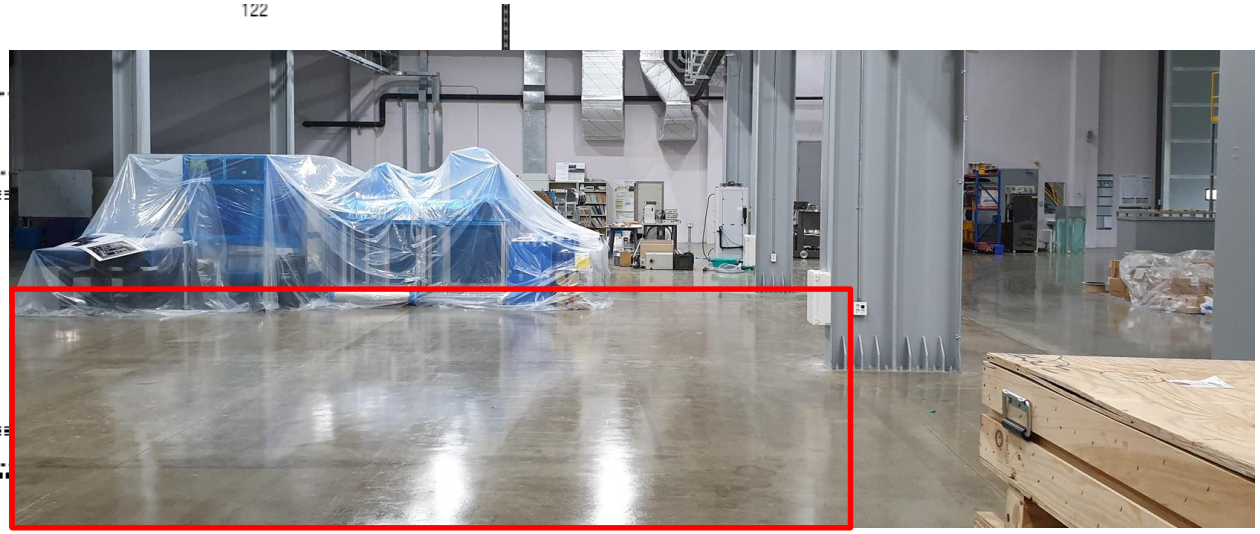


~500kg

현재 실험실
(5.1mX6m)



~5000kg



사용가능 장소
(약 6mX8m)

KU Magnet

- P&ID of the cryogenic system.
- Calculation of pressure chambers : Wich mechanical code had been used ? Which safety margin was apply ?
- Calculation and size of the safety valve.

Thanks a lot for your answer

Best regards.

Jean Yves

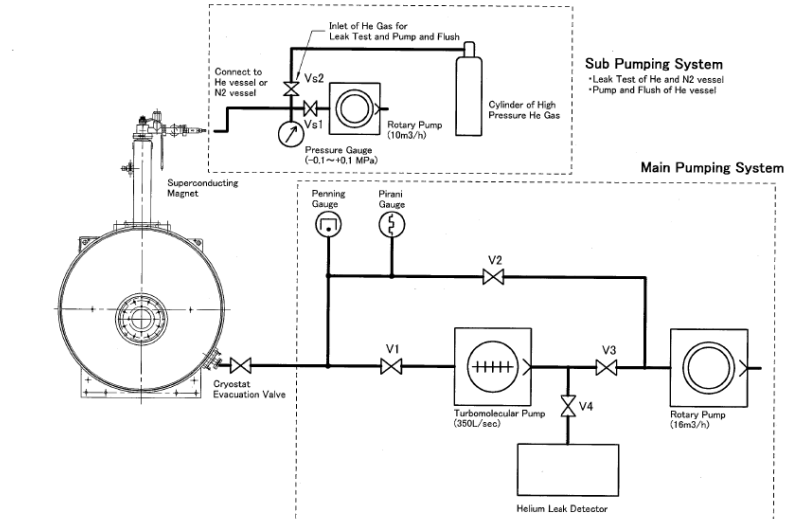
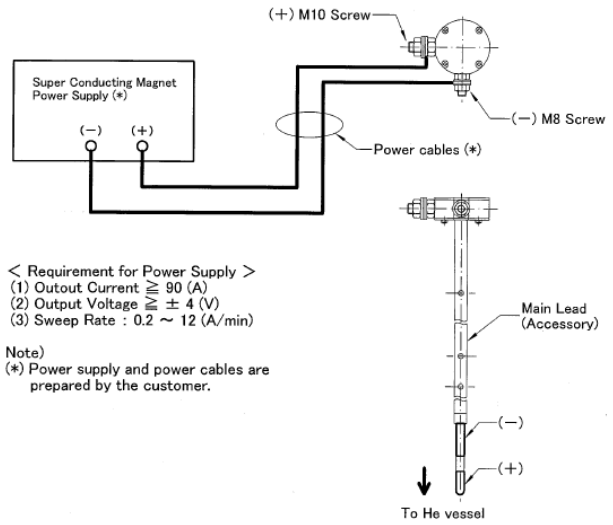
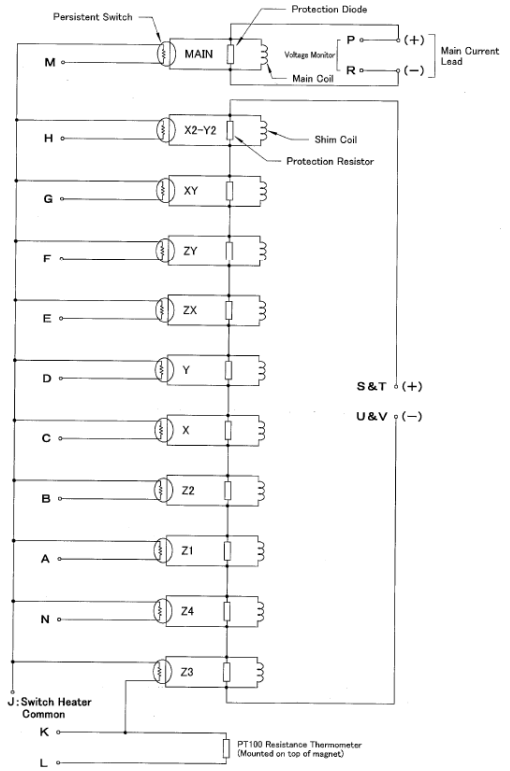


Figure 5-4 Recommended Pumping System

Leak Test



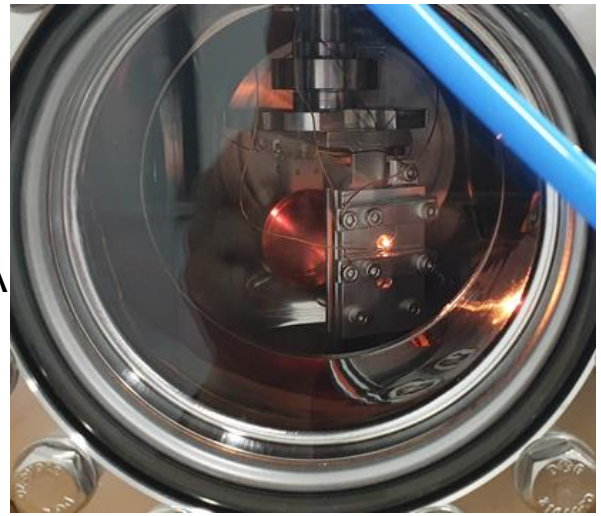


Cable circuit

Plan

1. Electron Gun
-> Front 새로 제작
(Center 및 조립 편의성)

-> 현재 구성으로 0.3~0.5mA
(트랩 테스트 필요)



2. Faraday Cup
-> Cylinder 결합 필요
(6inch-2.75inch 리듀서 제작 필요)
Cylinder 및 Feedthrough 보유

-> Measurement equipment 필요

3. MCPPS
-> MCPPS는 6월 말 도착예정
-> CCD 카메라 및 P/S는 주문 요청함
-> SHV Connector 보유중

-> 챔버 내부 설치를 위한 구조물 제작 및
복동 구조(Cylinder) 제작이 필요
(MCP 고정 부분만 제외 선 제작 고려 중)

4. Magnet
-> OVC 진공 확인중(다음 주 유지력 테스트)
-> 일부 Cable 구매 필요(Main Power 등)
-> Heater 별도 구매 필요

-> 필요 정보는 비전/Jastec 본사에 문의 중