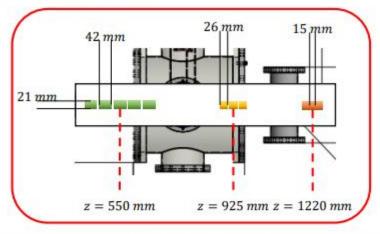
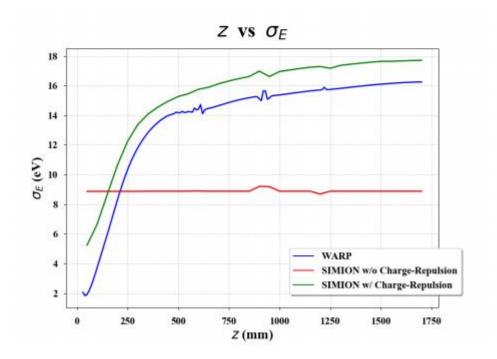
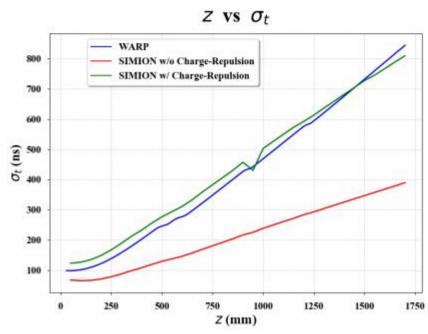
GBAR Trap Meeting

Seoul National University 11.Mar.2019

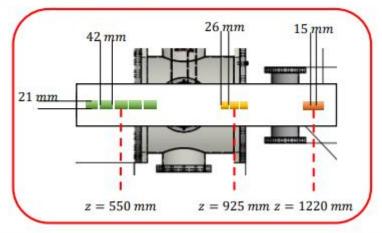
Comparison between WARP & SIMION

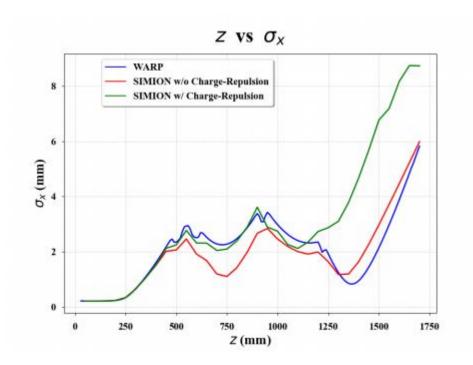


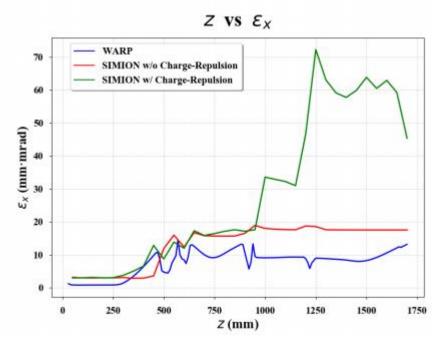


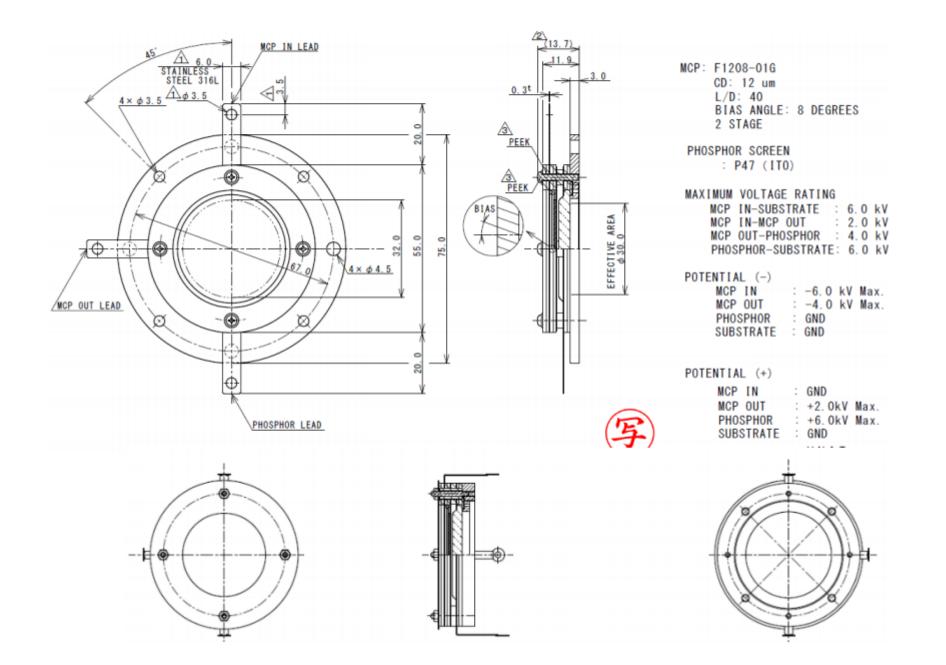


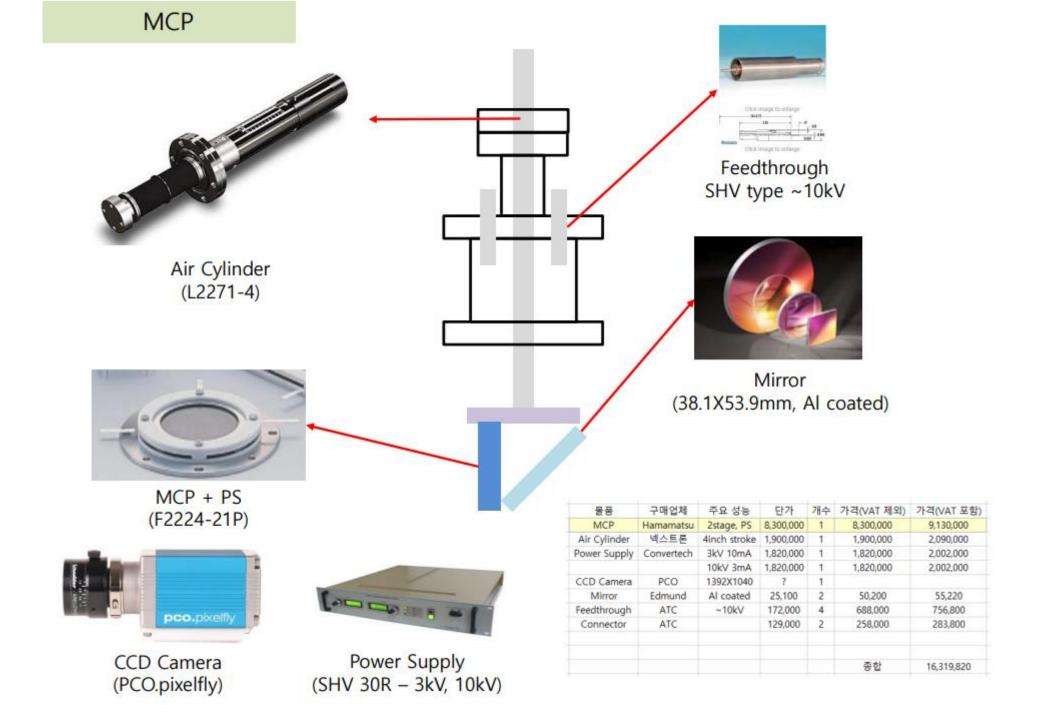
Comparison between WARP & SIMION

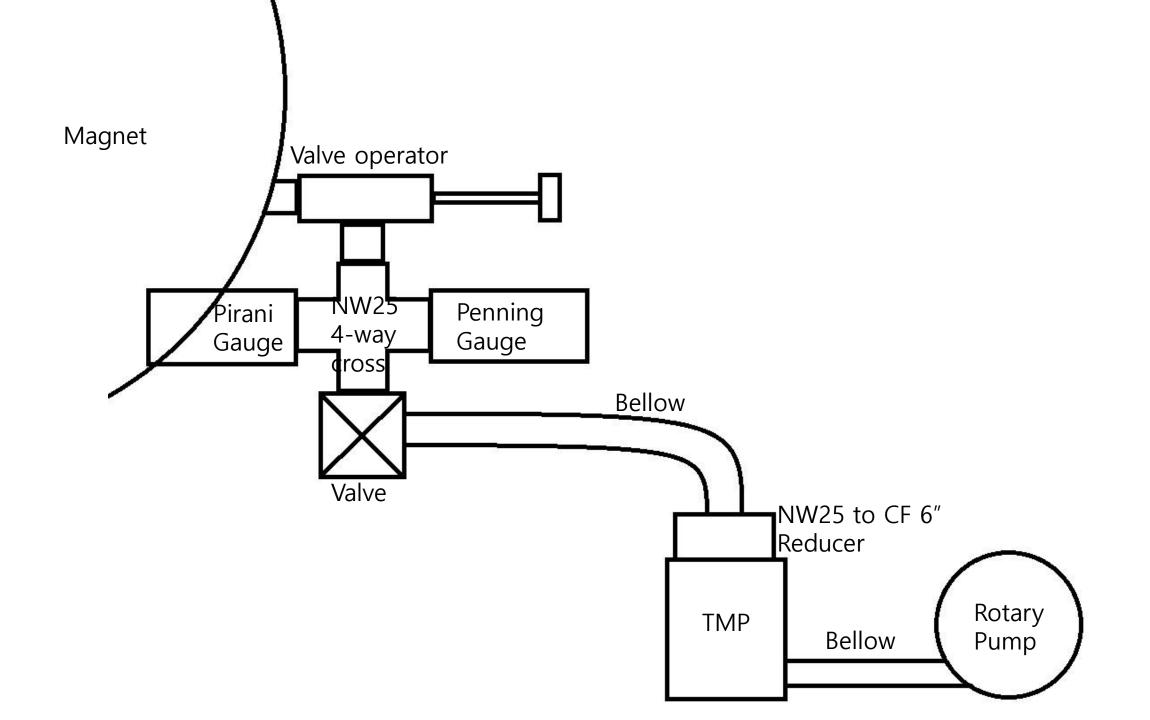












Magnet Vacuum System

• 정민실업

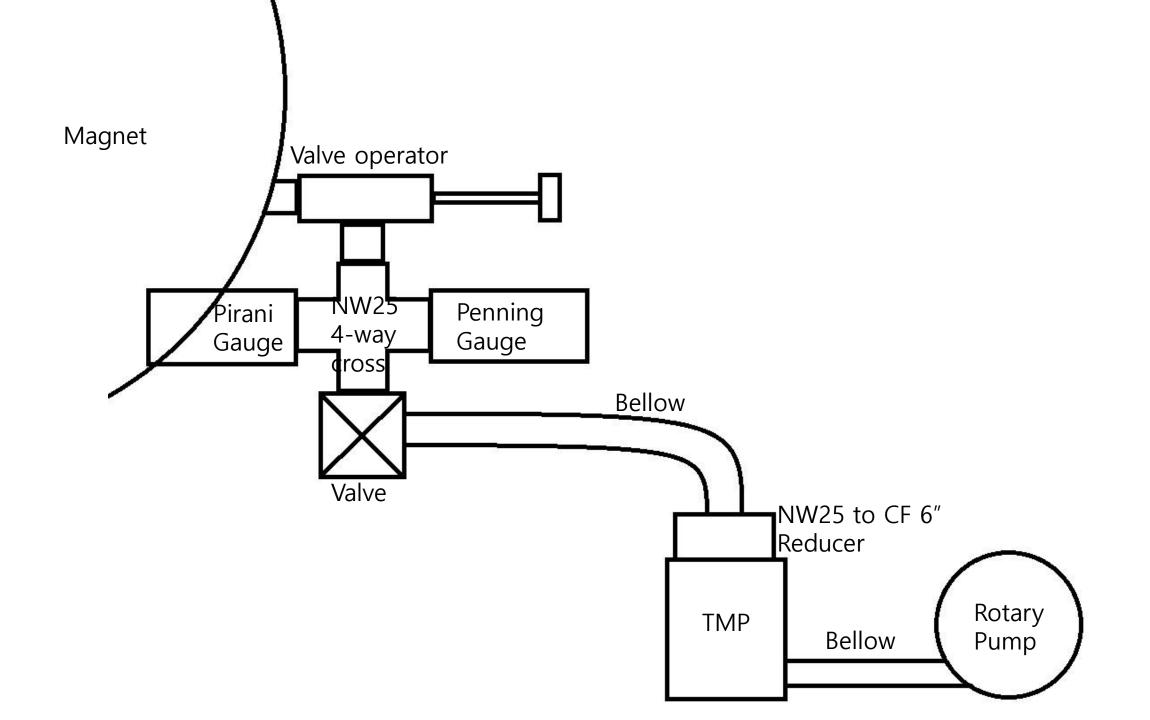
MTS



1	<u>內</u>			
晶 名 및 規格	數量	單位	單 價	金 額
1. NW25 수동 Valve				400,000
2. NW25 Four way Cross		3	(0)	250,000
3. NW25 Bellows 1M		92 78		350,000
4. DN100 + NW25				250,000
			2	
	3			
		3	-	
		3)	85.	
ACHIN SCIENCE LABORATORY		=110	44 DED DOD (VATHE \

VACUUM SCIENCE LABORATORY
UNIT OF JEONG MIN

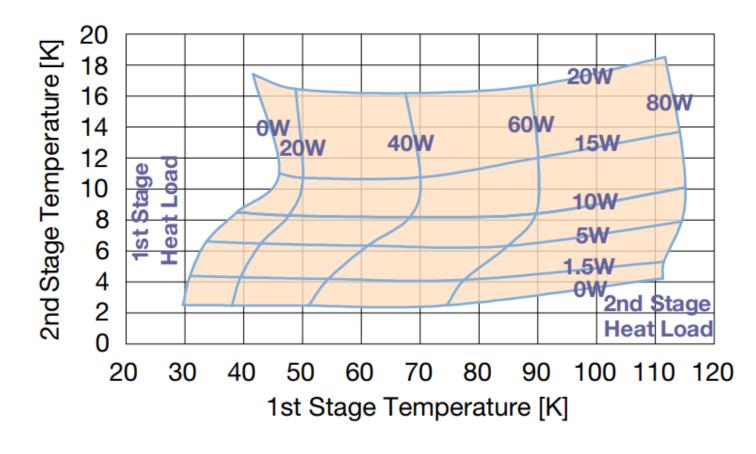
合 計₩1,250,000 (VAT별도)



Cu Cylinder Length

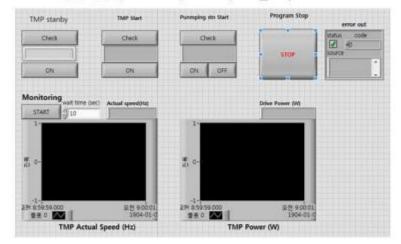
RDK-415D Cold Head Capacity Map (50 Hz)

Cooling Simulation



Control vi

TMP control vi Path:바탕화면\LabVIEW\190308\TMP_only.vi



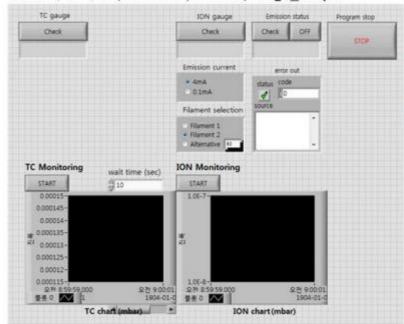
How to start
TMP stanby ON →TMP start ON → pumping stn start ON

How to end pumping stn start OFF→ Monitoring

How to Monitor Set wait time and Start

Gauge control vi

Path:바탕화면\LabVIEW\190308\Gauge only.vi



TMP & gauge control vi is revised

- Ion gauge alternative FIL mode
- Manual FIL status check and off
- Off FIL when vi stop

TC gauge check

Check button below TC gauge

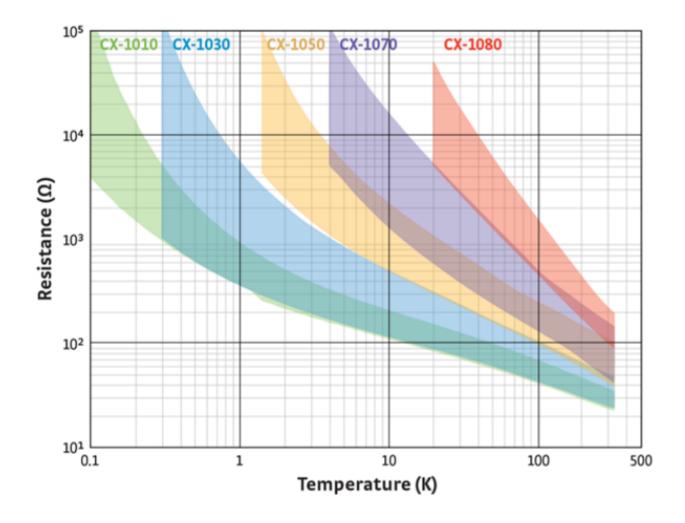
Check Emission status

Emission status could be checked with check button below Emission status. If the emission current should be turned off, press off button.

ION gauge check

※ Be sure to TMP is on and wait enough time to get pressure lower than 1E-6 mbar or lifetime of filament could be shortened

- Set Emission current (0.1 mA is recommended if pressure could be higher than 1E-6 mbar)
- Select Filament (Alternative mode change between two FIL alternatively following number indicates switching time)
- Press check button below ION gauge (There is 20 sec delay when FIL is turned ON.)
- Press start button below ION Monitoring for monitoring.
- 5. Stop button will turn the emission current off and stop vi.





Thank You!