

KU Magnet OVC



Vacuum level
2.0e-3 mbar
(~2days)



Vacuum level
3.8e-5 mbar



Vacuum level
1.4e-3 mbar
(Moment)

- No KU Magnet OVC leakage
(When comparing Fig.1 and Fig.3)
- Stronger Pump is needed

DRYTEL 1025		
Primary pump	use AMD1 or AMD4	
Secondary pump	MDP 5011	ATH 31+
Ultimate pressure *	1.10 ⁻⁶ mbar	1.10 ⁻⁸ mbar

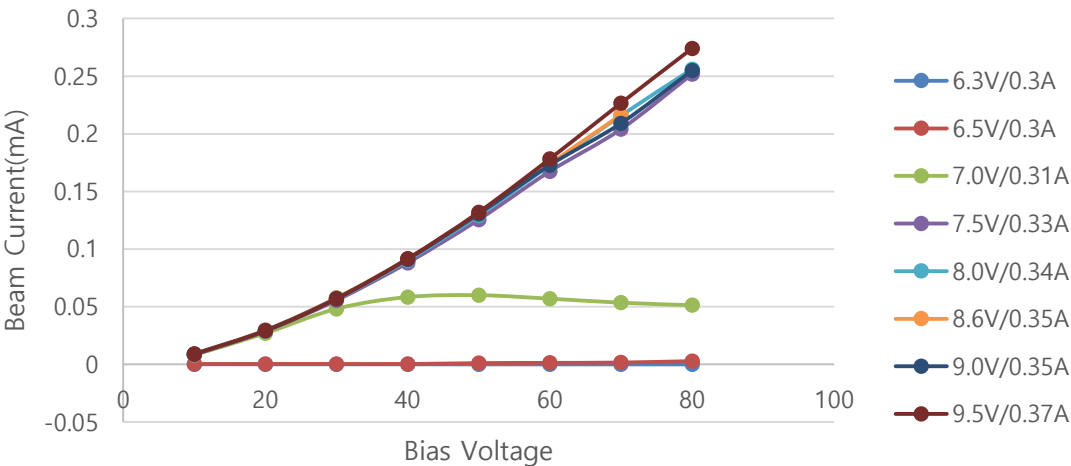


Pumping Station	Unit	TSH 071 E	TSH 071 E TSU 071 E
Connection, nominal diameter		DN 40 ISO-KF	DN 63 ISO-K DN 63 CF-F
Volume flow rate for Nitrogen N ₂	l/s	33	60
Helium He	l/s	38	55
Hydrogen H ₂	l/s	37	45
Working range			
From	mbar	1000	1000
To	mbar	< 1 · 10 ⁻⁸	< 1 · 10 ⁻⁹
Backing pump volume flow rate			
At 10 mbar 50 Hz	l/min	≤ 3.8	≤ 3.8
60 Hz	l/min	≤ 4.4	≤ 4.4
Electrical connection value	kW	0.1	0.1
Weight	kg	16	16/17

Electron Gun



Electron Gun Test



- Saturation above 7.5V/0.33A (2.5W)
(But the reach time is different,
The higher the watt, the faster.)
- Additional testing scheduled
(check vacuum level, temperature...)

Item No.	Description	Quantity	Unit Price	Amount
				in Korean Won
1)	HEATER FOR CATHODE, NJK1140	10pcs	@₩70,000	₩700,000- (VAT 별도)