

[물 품 명 세 서]

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PAGE : 1

순번	품 명 및 규 격	단위	수 량	부 서 명	담당자	전 화
	2인용 글로벌박스 1. Hermetically Sealed Module (Two Workstation) : 1 set - Single sided and Double(4 port) length: 2,200(L) X 900(H) X 780mm(D). - Modular structure with elastomer gasket front panel - Material : 304 Stainless Steel, Main body : 4mm thick - Side end panel : 4mm thick, 0.3 micron filter : 2 ea - LED Skylight, 9" Glove Port (M/C) : 4 ea , Butyl Rubber Glove (8" dia.) : 2pair - Window : Scratch & High impact resistant, Optically clear polycarbonate - Electrical Outlet : Two duplex (220V), Glove Port cover : Protect atmosphere during glove replacement - Service port feedthru : NW40(2ea), 3/8"(1ea), 1/4"(1ea) - Height Adjustable Shelves: 4ea 2. Antechamber : 1 set - This chamber will be installed Right side of glove box - Size : 390 dia. x 600 mm length, High vacuum design, O-ring sealed, Sliding Shelf - Material : 304 Stainless Steel - Vacuum capacity : 1 x 10⁻³ torr, Doors, vertical action - Vacuum gauge : Bourdon tube dial type - Connection : 3/8" Refill solenoid valve 3. Mini Antechamber : 1 set - This chamber will be installed Right side of glove box - 150mm (dia.) x 290mm (Length), Doors : Single center Knob Type, O-ring - Material : 304 Stainless Steel - Gauge : Bourdon tube dial type, Vacuum capacity : 1 x 10⁻³ torr - Connection : 1/4" Manual refill Ball valve 4. Automatic Pressure Controller (7" Full Color Touch Panel, Folding Type) : 1 set - Pressure Range: -12.5 to 12.5 mbar, Limits easily adjustable. - Manual foot switch operate. - Two solenoid valves are operated. - 1 set of Dry Scroll Vacuum Pump. Intake Type: NW25. Ultimate pressure : 5 x 10⁻⁴ torr - Two Stage, Power 220V, 1 Phase					
1	5. Purification System : 1 set - Automatic atmosphere reduction control for 1 ppm atmosphere - Oxygen/Moisture removal to less than 1 ppm, Control : PLC type (Heat, Vacuum, Purge, Refill : 13 hours) - Pneumatic valve for Regeneration, Circulation Blower : 63 CFM (Variable Speed Control) - Purifier: 1 set (Double Column Purifier), Purifier Charger Capacity(Molecular sieve & Copper Oxide) 6. Support Stand - 2,200(L) x 936(H) x 780(D)mm - Material : SS400 (Steel), Painting : C9010 MR WHITE, Caster 7. Moisture Analyzer : 1 set - Measurement range: 0 ~ 1,000ppm - Accuracy: ±2℃ - Repeatability +/-0.5℃ - Operating Temperature : -40 to +60℃ 8. Oxygen Analyzer : 1 set - Measurement system: Zirconia Oxygen concentration cell - Measurement range: 0.001ppm ~ 100% - Display range: 0-1,000ppm. - Repeatability: ±0.5%FS or less 0-1% range or more ±1.0%FS or ±0.1ppm whichever is bigger or less than 0-1% range - Measurement gas conditions: Temperature 100℃ or less - Pressure: less than 0.1MPa (relative pressure) - Vacuum: Atmospheric pressure ~ 10⁻³Pa(absolute pressure) - Humidity: Dew point is ambient temperature or less - Compliant standard: CE marking and RoHS 9. Solvent Trap (Chemical Type) : 1 set - This trap will be installed inside support stand of glove box - Special design plumbing & Chemical filter - Pneumatic isolation valves and bypass valve & NW40 clamping - Automatic PLC type regeneration process 10. Sus flexible : 1ea - 4m 11. Special Feedthru (NW type) : 1 pkg. - Leak Free Type.	SE	1	첨단양자소재연구실	손원혁	042-866-6513

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PAGE : 2

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	- NW50 Flange : 2 ea. - NW40 Flange : 9 ea. - These ports will be installed at back panel. 12. Special Feedthru (BNC Type) : 1 pkg. - Leak Free Type. - BNC Type : 4 ea. - Position : TBD. 13. Box Pugging System : 1 set - Electric Valve with Manual Valve. - Controled by PLC. - Purging Time Programmable : 0 to 999min. 14. Heat Exchanger / Fan (Overhead) : 1set - Overhead mounted - Glove Box Room Temp Control: 20℃ Under - Cooling Coil & Blow					