

Carbon Dioxide Purifier

이산화탄소 고순도 정제기

Gas Purification System



Adsorption and Catalyst Beds Purification Technology

The Carbon Dioxide(CO₂) Gas Purification System providing sub-ppb or ppt performance is designed to remove impurities in a process gas through use of high qualified catalyst & adsorption. These materials provide wholly purification in using dual columns(vessels) without downtime. Two columns alternate between purification and regeneration modes. Outlet impurity levels are reduced to below sub-ppb or ppt concentration. The purifier uses dual columns processes designed to provide ultra-high purified gases for semiconductor, flat panel display, LED and solar cell applications, as well as **it can be manufactured from high flow rates of 5 to 500 Nm³/h.**

Leaders and Global has many years of experience in manufacturing purifiers to meet the needs of low cost, high performance and reliability.

Standard Features

- Safety Alarms and Interlock for High Temperature, Leakage, Over Pressurization
- Enhanced PLC Controller and electronics box designed for simple operation and reliability
- All Metal Enclosure
- High efficiency Preheaters and Heat Exchanger
- Closed-Loop System for Temperature Control

Optional Features

- Communication Module(RS422/485, MODBUS, TCP/IP (Ethernet))
- Auto or Manual Bypass manifold kit
- MFM(Mass Flow Meter)
- UPS(Uninterrupted Power Supply)
- 0.003 μ m Metal Particle Filter
- Isolation Valves and Pressure Transducers on downstream and upstream

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