

Getter based Gas Purifier

게터 방식 고순도 정제기

Gas Purification System



Getter-based Purification Technology

The Getter Purifier is designed to provide sub-ppb or ppt impurity levels gases for semiconductor, flatpanel display, solar cell and LED applications through use of heated getter-based purification. The Getter materials(Zirconium and its alloys) remove impurities by combining irreversible chemical bonds and operate at elevated temperatures to purify them. Once the vessel(column or bed) is consumed, it can be replaced with a new vessel, for a new lifetime. Outlet impurity levels for O₂, CO, CO₂, H₂O, H₂, CH₄(THC, NMHC) and N₂ are reduced to sub-ppb or ppt concentration. Hydrogen removal unit, ambient operated getter cartridge can eliminate hydrogen impurity. **It can be manufactured from high flow rates of 2 to 200 Nm³/h and optionally high pressure up to 200barg(3000psig).**

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

Gas Purified : Argon(Ar), Helium(He), Hydrogen(H₂), Nitrogen(N₂), Xeon(Xe), Neon(Ne), Krypton(Kr)

Standard Features

- Small footprint with compact design
- Safety Alarms and Interlock for High Temperature, Over Pressurization
- Safety Relief Kit
- Enhanced PLC Controller and electronics box designed for simple operation and reliability
- All Metal Enclosure
- High efficiency Preheater and Heat Exchanger

Optional Features

- Moisture Analyzer
- 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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