

POU (Point of Use) and In-line Gas Purifier

LEADERS
GLOBAL

흡착 · 촉매 · 게터 혼용 고순도 정제기



Gas Purification System



Adsorption, Catalyst and Getter Purification Technology

Point-of-use(POU) and In-line gas purifiers not only ensure safely consistent and repeatable process performance, but also were designed to isolate crucial process zones from in-house gas distribution systems, and protect against gas purity upsets and cross contamination, finally to improve lifetime and much better outlet purity to ppt levels.

Additionally, they have wide range of gas compatibility, low pressure drop, and even are regenerable so that may eliminate disposal issues and costs, and improved cost of ownership(COO). Also, they are designed to use at room temperature purification except the getter based purifiers because of irreversible chemical bonds with impurities. But the getter based purifiers provide the most complete removal of impurities for hydrogen(H₂), nitrogen(N₂), rare gases and utilizes the only purification technology capable of removing all hydrocarbons and nitrogen from process gases. The optimized design provides sub-ppb performance than gases from cylinder or liquid sources, in small footprints with flow rates up to 150 slpm for POU purifier and up to 1,000slpm for In-line purifier.

Gas Purified : Nitrogen(N₂), Hydrogen(H₂), Oxygen(O₂), Argon(Ar), Rare Gases for He, Ne, Xe, Kr and Special gases for NH₃, HCl, Cl₂, CF₄, C₂F₆, SF₆

Standard Features

- Safety Alarms and Interlock for High Temperature, Leakage, Over Pressurization
- Hydrogen Blending(Mixer) Kit
- Enhanced PLC Controller and electronics box designed for simple operation and reliability
- All Metal Enclosure, 316L stainless steel electropolished wetted surface finish
- Splendid Preheaters and Heat Exchanger
- Integral inlet/outlet valves and automatic bypass kit
- Closed-Loop System for Temperature
- Replaceable getter cartridge for easy, fast maintenance
- Small and economical design for low flow analytical applications

Optional Features

- Moisture Analyzer
- MFM(Mass Flow Meter)
- UPS(Uninterrupted Power Supply)
- 0.003 μ m Metal Particle Filter
- Isolation Valves and Pressure Transducers on downstream and upstream

specifications are subject to change without notice

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