

Indicating Carrier Gas Purifier

WARNINGS

Maximum pressure 11 bar/1103 kPa (160 psi). Wear eye protection and use caution when working with pressurized systems.

When using a high-pressure gas source, overpressure protection must be provided.

Do not open filter, even after use.

The rapid oxidation of the active adsorbent in this filter can cause the filter bed to become extremely hot, resulting in danger of fire or burn injuries. Limited exposure of the filter to air during installation does not result in rapid reaction or dangerous heat generation.

Do not use with supply gas H₂O concentration or O₂ concentration greater than 0.1%. Contains molecular sieve, which may become very hot in contact with liquid water. Do not use with liquids.

Do not expose the protective outer plastic tube to solvents.

Do not use without the protective outer plastic tube in place.

Special precautions might be required when using hydrogen or hazardous gases. Consult local regulations and your company's safety procedures.



Product Information

- Removes multiple impurities such as O₂, H₂O, CO₂, CO, halogenated compounds, siloxanes, hydrocarbons (heavier than butane), sulfur-containing molecules, and ammonia from inert gases (He, Ar, N₂, and H₂).
- Can be used with other filters to provide endpoint detection.
- Contains highly sensitive visual indicators for oxygen and water contamination. The oxygen indicator signals breakthrough when the adsorbent changes from green to grey, and the moisture indicator signals breakthrough by changing from blue to brown.
- Heavy-walled inner glass tube is protected by a sealed outer plastic tube to further protect against leaks.
- Maximum flow rate: 400 mL/min

Installation

Restek Recommends: To ensure optimal bed packing and performance, and to minimize the likelihood of material "channeling," gas filters should be installed vertically.

The Restek Carrier Gas Purifier is delivered pre-purged with helium. Before operating any instruments, it should be purged with the gas you will be using. When connecting to a gas line, use two wrenches at each coupling. Tightening the fittings by holding the trap while torquing the nut or using the wrenches on opposite ends of the trap, can break the glass.

Warning: If you are using hydrogen or hazardous gas, additional special procedures may be needed. Consult your company's safety procedures.



Oxygen Indicator



Moisture Indicator

Questions about this or any other Restek product?
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