

GAS HANDLING EQUIPMENT

OXYGEN TRAP



HSG-Oxy-Purge

The HSG-Oxy-Purge Oxygen Trap contains a highly active, metal-containing, inert supported reagent filled into a one-piece aluminum container. The trap is capable of reducing the oxygen content of a gas stream down to 99.99998% from its original concentration. Each unit is filled under a heated flow of ultra high purity helium which eliminates the need for extensive purging prior to GC or GC/MS operations.

The HSG-Oxy-Purge unit is ideal for use with hydrogen, inert carrier gases commonly used with TCD and FID gas chromatographs, and argon-methane mixtures used with electron capture gas chromatographs. The all metal housing virtually eliminates contamination and resultant signal noise that often occurs with traps constructed of other materials. These units can also be used to treat carbon monoxide, carbon dioxide, alkanes, alkenes, aliphatic hydrocarbon gases and low boiling point aromatics, like benzene and toluene.

Series HSG-Oxy-Purge Oxygen Traps Features

- Scrubbing agent sphere size optimized to achieve maximum surface area and capacity to provide twice the surface area and capacity of "look-alike" units.
- Filter design and aspect ratio prevents channeling and promotes even flow and efficient scrubbing.
- All metal housing.
- 40 micron stainless steel frits on the inlet and outlet.
- Bed material treated with ultra high purity helium.
- Mounting clip available for convenient installation.
- Working pressure: 250 psig.
- Oxygen removal efficiency: <30 ppb.
- Dimensions: 1.5" O.D. x 11" L.

INDICATING MOISTURE TRAP



HSG-Hydro-Purge

The HSG-Hydro-Purge Indicating Moisture Trap is designed to remove water, oil and organics from gases commonly used as gas chromatography carrier gases. In addition to H₂O, it can also remove HC, SO₂, NO₂, H₂S, CO₂, oil and small aliphatics. Both indicating and non-indicating traps are available.

Series HSG-Hydro-Purge Indicating Moisture Traps Features

- Inlet and outlet o-ring sealed connectors are equipped with 40 micron sintered stainless steel frits to prevent particulates from entering your system.
- Mounting clip available for convenient installation.
- Moisture removal capacity is 36ML.
- Molecular sieve capacity is 200cc.
- Bed material treated with ultra high purity helium.
- Dimensions: 1.5" O.D. x 12.8" Long.
- Working pressure: 125 psig.