

**Description**

This unit is a step above other indicating oxygen traps. The unit comes to you completely assembled and ready for installation. It is ideal for use in-line directly after our Series 6300 oxygen removing trap to determine when to replace the larger unit. Used in this way the 6200 unit will last a considerable time if it is monitored regularly. A centimeter scale on the tube helps you to monitor the condition of the reactants.

The 6200 Series actually removes oxygen rather than convert it to another form of contamination. Oxygen reacts with the activated bed material to form manganese oxide that has a deep brown color providing a dramatic and progressive color change. The presence of moisture does not affect the oxygen removing capacity of the unit.

**Features**

- Reduces oxygen to less than 15 ppb.
- Reactive materials are contained in a glass tube protected by a clear plastic outer tube. The reactive materials are only in contact with glass and metal.
- Centimeter scale on reaction tube helps to monitor activity.
- The expended reactant material is non-hazardous, non-toxic, non-flammable, and non-reactive.
- Mounting clip available for convenient installation.
- Oxygen removing capacity: 6200 - 30 mg, 6250 - 150 mg
- Working pressure: 100 psig
- Dimensions: 6200 - 1.125" O.D. x 9.5" long, 6250 - 1.5" O.D. x 10.25" long



**Ordering Information**

Model	Connections
6200-2*	1/8" tubing compression
6200-4*	1/4" tubing compression
6250-2*	1/8" tubing compression
6250-4*	1/4" tubing compression
6200C	mounting clip for 6200
8012C	mounting clip for 6250

\* Available with stainless steel compression fittings - add "SS" to part number.

Gas traps should be mounted in a vertical position to ensure proper contact of the gas with the adsorbent. Use model 6200C mounting clip with 6200 Series hydrocarbon trap.



6200C Mounting Clip

## Series 6210

oxygen removing purifier for hydrogen

4



### Description

The Series 6210 Purifiers remove oxygen from hydrogen by catalytic action. They are capable of removing up to 1% oxygen from a hydrogen stream down to a level of less than 1 ppm. This reaction is normally accomplished at room temperature. At higher oxygen impurity concentrations, some-what elevated temperatures may be experienced depending on operating conditions.

The purification is carried out by the formation of water from the oxygen impurity and the hydrogen background. If water presents a problem in your system it is suggested that a Model 8010 or 8000 purifier be installed in the system after the Series 6210 unit.

The catalytic materials do not require regeneration and will function indefinitely providing that they are not contaminated. Sulfur and halogens are the primary contaminants of concern.

### Ordering Information

Model	Max. Flow SCFH	Max. Oper. Press. psig	Connections female	Dimensions inches
6210-10	10	2000	1/4" compression	1.05" dia. x 9.5" long
6210-25	25	2200	1/4" compression	1.32" dia. x 14.5" long
6210-50	50	1200	1/4" compression	1.66" dia. x 15" long
6210-100	100	1400	1/4" compression	2.38" dia. x 15.5" long
6210-200	200	1300	1/4" compression	2.88" dia x 19.5" long
6210-500	500	900	1/2" compression	4.0" dia. x 23" long

**Description**

These Series 6300 oxygen traps contain 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% of its original concentration. Each unit is filled under a heated flow of ultra high purity helium to eliminate the need for extensive purging prior to GC or GC/MS operation.

The Series 6300 units are ideal for use with hydrogen and inert carrier gases commonly used with TC and FID gas chromatographs as well as argon-methane mixtures used with electron capture gas chromatographs. The all metal housing virtually eliminates contamination and resultant signal noise that often occur 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.

**Features**

- Reduces oxygen levels to less than 15ppb.
- 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.
- Inlet and outlet fitted with 40 micron stainless steel frits.
- All metal construction.
- Bed material treated with ultra high purity helium.
- Operating pressure: 250 psig
- Oxygen removal capacity: 6300 525 mg  
6350 4200 mg
- Dimensions: 6300 1.25” O.D. x 11.25” long

**Ordering Information**

Model	Connections
6300-2*	1/8” tubing compression
6300-4*	1/4” tubing compression
6350-8*	1/2” tubing compression
8012C	mounting clip
8050C	mounting clip for 6350

\*Available with stainless steel compression fittings - add “SS” to part number.



Gas traps should be mounted in a vertical position to ensure proper contact of the gas with the adsorbent. Use model 8012C mounting clip with 6300 Series oxygen trap.



8012C Mounting Clip