

Models SG6150, SG6151

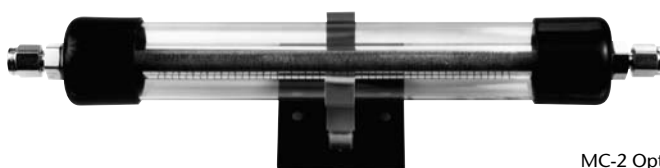
Glass Encased, Indicating Oxygen Traps

Models SG6150 and SG6151 Indicating Oxygen Traps are normally recommended for use downstream of non-indicating oxygen traps (where application flow rates permit) to provide a visual indication of oxygen breakthrough. Breakthrough is indicated via a color change in the adsorbent from gray to a deep brown. Because of their relatively small capacity, Indicating Oxygen Traps should be used by themselves only in very low volume applications.

These traps consist of a silanized borosilicate glass tube filled with a molecular sieve base and activated getter material. Oxygen and a wide range of oxides react with the getter material to form a manganese oxide. The glass tube is enclosed in a clear plastic outer shell to provide protection from glass breakage while still allowing for a visual indication of the trap's condition.

Standard Features

- Transparent Glass Tube encased in a clear plastic outer shell permits quick observation of the adsorbent's condition.
- Sintered Type 316 Stainless Steel Inlet and Outlet Filters protects against adsorbent migration into the downstream system.
- Pre-Purged and Pressure Tested with Ultra-High Purity Helium to insure integrity.
- Expended Material is Non-hazardous, Nontoxic, Nonflammable, and Non-reactive permitting safe landfill disposal.



SG6150 Trap with MC-2 Optional Mounting Clip



SG6151 Trap (O₂ breakthrough indicated)

Specifications

Maximum Operating Pressure: 100 psig

Maximum Operating Temperature: 212°F

Efficiency: To <1 ppb Oxygen with inlet levels of 10 ppm or less

Oxygen Capacity:

SG6150: 50 mg

SG6151: 150 mg

Maximum Flow Capacity:

SG6150: 10 slpm at 100 psi

SG6151: 21.5 slpm at 100 psi

Inlet and Outlet Connections: See Table I

Dimensions (diameter by length):

SG6150: 1 1/4" x 9 1/2"

SG6151: 1 3/4" x 10 3/8"

Approximate Weight: 1 lb.

Table I

Part No.	Inlet and Outlet Connections
SG6150-4	1/4" compression
SG6150-8	1/8" compression
SG6151-4	1/4" compression

Optional Equipment

Equipment	Part No.
Mounting Clip with screws (2 required)	
For Model SG6150	MC-2
For Model SG6151	MC-3

Materials of Construction

Housing:

Inner Tube: Silanized Borosilicate Glass

Outer Tube: Polycarbonate Plastic

Seals: Zytel-A Nylon Resin

Fittings: Nickel-Plated Brass

Filters (40 micron):

Type 316 Stainless Steel