

# Glass Indicating Oxygen Trap

## Installation and Use



Part No.	Description
103491	Glass Indicating Oxygen Trap, 1/8" Brass Fittings

### WARNING



WARNING notices must be read carefully and understood. Improper use of this product can cause harm or death to personnel and damage to property!



Remember to wear safety glasses.

Leak test all fittings when using hazardous or flammable gases.

Do not use above 6.8 bar (100 psi)

Do not open filter cartridge, even after use!

Do not expose to 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 other hazardous gasses. Consult local regulations and your company's safety procedures.

Do not use to remove more than 50ppm of oxygen! Rapid heating of the oxygen adsorbent will occur, and very high temperatures can result.

### Filter Setup and Use

- The Glass Indicating Oxygen Trap is delivered in the active state, filled with helium. It is ready for use, but is recommend that the trap be purged with the gas to be purified.
- For the best connections, start with freshly-cut tubing in the gas line. 1/8" nuts should be turned 3/4 turn past finger tight.
- To connect in-line, first purge the gas line with supply gas. While maintaining a low purge rate of 10 to 30 cc/min, remove and end plugs from both ends of the oxygen trap, then attach the inlet end to the trap to the gas line.
- While the end plugs are removed from the trap during installation, a small amount of air will diffuse into the adsorbent, and the trap may warm slightly. As long as the trap is attached to the gas line within a few minutes, trap heating and the loss of adsorbing capacity will be negligible.
- Attach the outlet end of the trap to the instrument, then continue purging the entire system until a total of 1 to 2 liters of gas has been flushed through.
- Leak check all connections.

#### Limits:

Temperature	15°C to 35°C
Pressure	0.75 to 6.8bar
Gas Supply	Inert gas or Hydrogen with < 50ppm O <sub>2</sub> , H <sub>2</sub> O and Hydrocarbons
Flow Rate	<2 L/min

**Source Document:**  
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**Instruction**  
Version 1

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SGE Analytical Science Pty Ltd  
7 Argent Place  
Ringwood VAC, 3134 Australia

Telephone: +61 3 9837 4200

[www.sge.com](http://www.sge.com)

Recycling



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**AUSTRALIA & PACIFIC REGION**

SGE Analytical Science Pty Ltd  
Toll Free: 1800 800 167  
Tel: +61 (0) 3 9837 4200  
Fax: +61 (0) 3 9874 5672  
Email: [support@sge.com](mailto:support@sge.com)

**CHINA**

SGE Shanghai Representative Office  
Tel: +86 21 6407 9382  
Fax: +86 21 6407 9386  
Email: [china@sge.com](mailto:china@sge.com)

**MIDDLE EAST**

SGE Gulf  
Tel: +971 6 557 3341  
Fax: +971 6 557 3541  
Email: [gulfsupport@sge.com](mailto:gulfsupport@sge.com)

**EUROPE**

SGE Europe Ltd  
European Head Office  
Toll Free: 00800 2790 8999  
Toll Free Fax: 00800 2626 2609  
Tel: +44 1908 568 844  
Fax: +44 1908 566 790  
Tel France: +33 1 69 29 80 90  
Fax France: +33 1 69 29 09 25  
Tel Germany: +49 (0) 6155 / 60746 0  
Fax Germany: +49 (0) 6155 / 60746 50  
Email: [europe@sge.com](mailto:europe@sge.com)

**INDIA**

SGE Laboratory Accessories Pvt Ltd  
Tel: +91 22 24715896  
Fax: +91 22 24716592  
Email: [sgeindia@vsnl.com](mailto:sgeindia@vsnl.com)

**UNITED STATES OF AMERICA**

SGE Incorporated  
Toll Free: (800) 945 6154  
Tel: +1 512 837 7190  
Fax: +1 512 836 9159  
Email: [usa@sge.com](mailto:usa@sge.com)

**JAPAN**

SGE Japan Inc  
Tel: +81 45 222 2885  
Fax: +81 45 222 2887  
Email: [japan@sge.com](mailto:japan@sge.com)

