

High Capacity Oxygen Trap

Installation and Use



Part No.	Description
103486	Oxygen Trap, 1/8" Brass Fittings
103482	Oxygen Trap, 1/4" 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 14 bar (200 psi)

Do not open filter cartridge, even after use!

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 Oxygen Trap is delivered in the active state, filled with helium. It is ready for use, but it is recommended 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. 1/4" nuts should be turned 1-1/4 turns 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 14 bar
Gas Supply	Inert gas or Hydrogen with < 50ppm O ₂ , H ₂ O and Hydrocarbons
Flow Rate	<2 L/min

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