

# SGE Packed Column Moisture Trap

## Installation and Use



Part No.	Description
103495	Packed Column Moisture 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!



Do not use with hazardous, flammable or reactive gases.

Contains molecular sieve which may become very hot in contact with liquid water. Do not use with liquids.

Do not expose the polycarbonate trap body to solvents.

Do not use above 6.8 bar (100psi)

### Filter Setup and Use

- The SGE Packed Column Moisture 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.
- The adsorbing materials used are CoFree™ indicator and Molecular Sieve 5A. The CoFree™ changes colors from greenish-yellow to blue at moderate relative humidity levels to signal leak in the system, while the molecular sieve removes moisture to trace levels.
- 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.
- When connecting to a gas line use two wrenches at each coupling. Tightening the fittings by holding the trap while turning the nut, or using the wrenches on opposite ends of the trap, can cause leaks or damage the trap.
- 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. As long as the trap is attached to the gas line within a few minutes, 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, air or Hydrogen with < 50ppm H <sub>2</sub> O and Hydrocarbons
Flow Rate	<2 L/min

**Source Document:**  
**995130 - SGE Packed Column Moisture**  
**Trap Instruction**  
Version 1

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Recycling



For recycling contact your SGE distributor

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