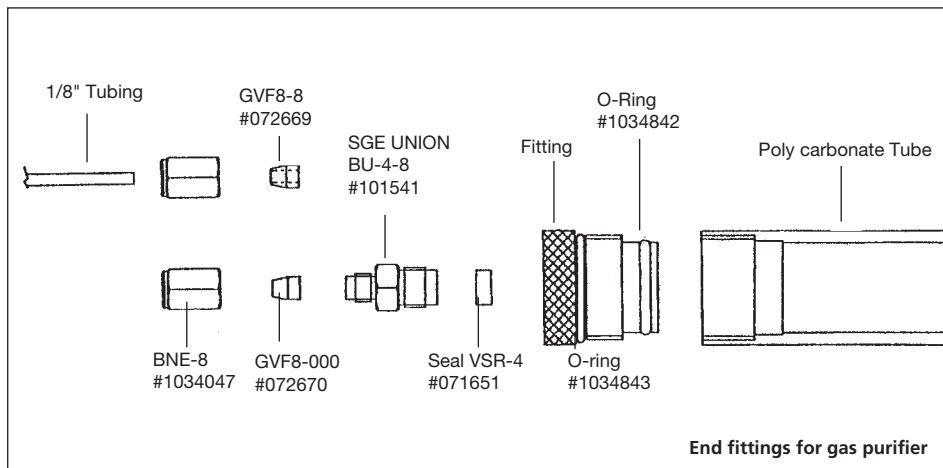




# Gas Purifier Instructions



**SGE gas purifiers are designed to remove harmful impurities from gas streams, although, because they are constructed of polycarbonate, they are not recommended for use in the clean up of carrier gas in capillary gas chromatography.**

## CONNECTION OF PURIFIERS

The recommended direction of gas flow is indicated on the purifier. The purifiers have been activated and sealed under nitrogen prior to shipping from SGE. The plugs should only be removed from the traps when they are ready to be installed in the gas line. Ensure the ends of the tubing to be connected to the purifier are free of burrs which could damage the seal when the tubing is inserted. When installing the purifier please note that unlike other swaging connections, the narrow end of the ferrule points into the nut.

## INDICATING MOLECULAR SIEVE. CODE: GF-IMS100

When the purifier has become saturated and cannot absorb further water, the indicating beads dispersed through the molecular sieve will change from orange to green. At this stage the packing in the purifier must be replaced. Use SGE refill material. Code: IMSK-250.

**Part No.1034950**

**Keep purifier away  
from solvents as this  
may weaken or cause  
cracking in the tube.**

**CAUTION:  
DO NOT EXCEED  
100psig**

**ACTIVATED CHARCOAL.  
CODE GF-C100.**

Periodically, depending on the amount of purity of the gas being used in the purifier, the charcoal should be replaced. Use SGE refill material. Code CK-250.

**Part No. 1034850.**

The molecular sieve trap (GF-IMS100) will remove water from gas streams and the activated charcoal trap (GF-C100) will remove organic material.

**REFILLING GAS PURIFIERS.**

Fully depressurise the purifier before removing one end of the fitting and gas lines to either end of the purifier. The purifier should be purged with at least a litre of the gas, before gas of the required purity is obtained from the purifier.

\* Insert fitting until "O" ring **Part No. 1034843** is **JUST** under compression, **NO FURTHER.**

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