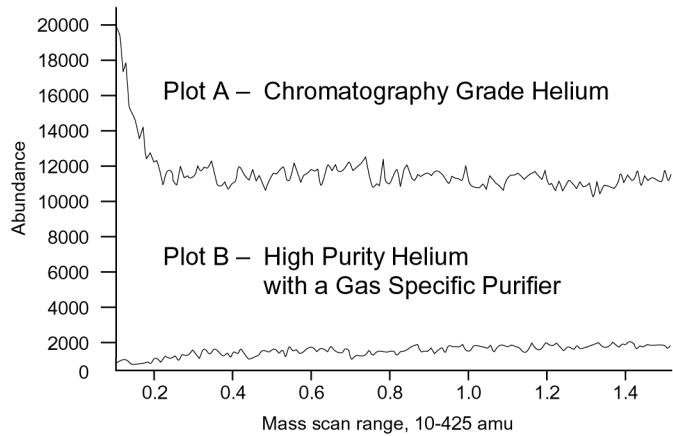


Gas Specific Purifiers and Contaminant Traps



Several types of contaminants are detrimental to GC performance – notably moisture, hydrocarbons, and oxygen. LINWELD gas-specific purifier modules are designed to be placed in-line with the GC carrier or detector gas supply to remove these contaminants from the analytical gases prior to entering the GC. The modules dramatically reduce contaminant levels and absorb a greater variety of contaminants than other products.



Our successive bed format achieves the highest purity gas commercially available

Two very high capacity hydrocarbon and moisture sorbents at the inlet for effective contaminant removal

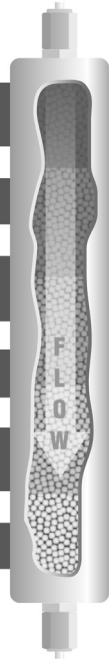
Unique proprietary broad spectrum sorbent material for multiple contaminant removal

Two oxygen scavenging materials for both high capacity and high efficiency O₂ removal

Multiple bed format to allow several step reduction in contaminants

Removal of H₂O, O₂, halocarbons, hydrocarbons, CO, CO₂, H₂, and sulfur containing compounds with a single purifier

Very high efficiency sorbents at the outlet for trace contaminant removal



Performance is optimized by a multiple bed format. Each bed functions at a lower contaminant concentration, resulting in a series of contaminant concentration gradients across the length of the module. Advanced materials and design features guarantee that the modules will produce gases that are at least a factor of ten higher than a 99.9999% "chromatography grade" cylinder of gas when the purifier is supplied by a high purity cylinder. The cost difference between the two grades of gas will pay for the cost of the purifier several times over during its operating life.

Features

- Reduced Gas Impurities from PPM Levels to Low PPB Levels
- Decrease Baseline Noise and Increase GC/MS Sensitivity
- Replace Three Traps with One Purifier

Specifications

Length	21"
Diameter	1.5"
Maximum Inlet Pressure	300 PSI
Maximum Recommended Flow	500 ml/min
Pressure Drop, 120 PSI Inlet at a Flow of 0 to 500 ml/min	< 0.30 PSI
Compression End Fittings	1/8" or 1/4"
Shipping Weight	1.76 lbs.