

**Safety Sheet & Precautions For the GK-500 125ml Vessel**  
**\*THIS VESSEL MUST BE SHIELDED WHILE UNDER**  
**PRESSURE!!**

**THIS EQUIPMENT IS ONLY TO BE USED BY FULLY CERTIFIED  
AND TRAINED PERSONAL. THE USER IS FULLY RESPONSIBLE  
FOR ANY INJURY OR DAMAGE RESULTING  
FROM THE USE OF THIS EQUIPMENT**

Although glass is a strong material, minor imperfections can degrade the pressure ratings to the point of complete unpredictability. Therefore, Aero-Tech Laboratory Equipment Company, LLC will not guarantee or warrant these products against any explosion hazards.

Adequate safety shielding **MUST** be provided by the user when handling glass vessels under pressure. Polycarbonate/acrylic with wire mesh is recommended. This safety shielding can be provided by Aero-Tech upon request. **\*NOT FOR DOT TRANSPORT**

The recommended (not guaranteed) operating pressures are:  
45 to 50 psig maximum pressure for liquefied propellants at 70 degrees Fahrenheit Hydrocarbons, CFC, HCFC, HFC  
90 psig maximum pressure for compressed gasses at 70 degrees Fahrenheit N<sub>2</sub>, N<sub>2</sub>O, CO<sub>2</sub>

Temperature has some effect on the strength of glass. A conservative rule-of-thumb is that the pressure rating of .25 psi per deg. F rise above ambient. So with a 100 deg. F rise, the rating of the 125ml with compressed gasses will drop to 65 psig. I hasten to point out, however, that no specific temperature/pressure test data exists for this product line. Safety precautions must be taken, especially at high temperatures.

For Parts and Service Please Call (870) 420-3613  
Or E-mail us at: [info@aerotechlab.com](mailto:info@aerotechlab.com)  
Aero-Tech Laboratory Equipment Company, LLC

**Disclaimer:**

Aero-Tech Laboratory Equipment Company, LLC shall **NOT** be liable for any injury, loss or damage, direct or Consequential, arising out of the use of this product. Due to the nature of research and development, the user is responsible for determining the suitability of the product for its intended use.