

Safety Sheet & Precautions:
For the GK-500 125ml Vessel

***THIS VESSEL MUST BE SHIELDED WHILE UNDER
PRESSURE!!**

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 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.

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
N₂, N₂O, CO₂

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 (417) 533-5552
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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 or research and development, the user is responsible for determining the suitability of the product for it's intended use.