

Safety Sheet & Precautions:

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:

3 oz. Vessel 225 psig.
6 oz. Vessel 125 psig.
9 oz. Vessel 100 psig.
12 oz. Vessel 75 psig.

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 3 oz. vessel will drop to 200 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.

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Aero-Tech Laboratory Equipment Company, LLC

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