

VH-ESN

Operating Notes / Limitations

(These notes/limitations are to be used in lieu of a flight manual and must be available to the pilot prior to take-off but need not be carried in flight.)

1. **Maximum Takeoff Mass** is 225 kg.
2. **Empty Weight** of 18kg includes:
 - Envelope (Eye-Strain -2 – 001)
 - Harness (Supair)
 - Burner (Griffin Mk1 – 001).
3. **Maximum Climb Rate** is 1000 fpm.
4. **Maximum Continuous Envelope Temperature Limit** is 125°C.
5. **Short Term Envelope Temperature Limit** is 145°C for periods of not more than 10 minutes in any 30 minute period. During operational periods when it is possible that the continuous envelope temperature limit may be exceeded then the envelope shall be fitted with a continuous reading envelope temperature gauge.
6. **Valve Operation.** Exercise caution when opening the valve. Small balloons cool much more rapidly than large balloons.
7. **Minimum Flight Crew** is one person.
8. **Maximum Occupants** is one person.
9. **No Smoking** is permitted is permitted within 15 metres of the balloon during preparation for or during flight.
10. **Maximum Permitted Operating Altitude** is the altitude at which the burner fails to maintain ignition or the altitude at which the maximum envelope temperature is reached.
11. **Maximum Landing Speed.** As the flight harness provides little or no protection from foreign objects pilot should exercise caution and limit operations so that landings above 7 knots are avoided.
12. **Minimum Fuel Pressure.** The minimum fuel pressure for flight is 300 kPa, caution must be exercised when operating with fuel pressure of less than 450 kPa. Fuel pressure may be augmented by the use of tank warming or inert gas pressurization. Fuel pressure shall not exceed 1000 kPa.
13. **Fuel Type.** Any commercially available LPG product is acceptable provided that minimum fuel pressure is achieved. Up to 45ml of Ethanol or Methanol may added to the fuel mixture to prevent fuel system icing.