



# LINDSTRAND BALLOONS LTD

## FLIGHT MANUAL SUPPLEMENT NO. 1.22

### SPECIAL SHAPED ENVELOPE - LBL J & B BOTTLE

#### SECTION 1 - OPERATIONAL LIMITATIONS

##### 1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd J & B Bottle special shaped hot air balloon is 10 knots.

##### 1.1.8 Ascent/Descent Speed

The maximum recommended rate of climb and descent for the LBL J & B Bottle special shaped balloon is 4 m/s (800 ft/min).

##### 1.5.1 Maximum Mass

TABLE 1

Balloon Type	Nominal Volume		FAI Class	Maximum Mass		Envelope Mass	
	cu.m.	cu.ft.		kg	lbs	kg	Lbs
LBL J & B Bottle	2549	90,000	AX8	900	1980	172	378

##### 1.5.3 Payload Calculation

Calculation of the payload for the LBL J & B Bottle special shaped balloon is identical to the procedure described. The conversion of the lift per unit volume figure, found from the load charts, into a gross lift figure is achieved by multiplying by the nominal volume given above.

#### SECTION 2 - NORMAL PROCEDURES

##### 2.2.2 Cold Inflation

Ensure that the 2 deflation vents are closed. These are situated in the cap appendage.

##### 2.3.2 In-Flight Control

The vent can be used to assist control of the envelope. This is controlled by the candy stripe line.

##### 2.3.4 Landing

The two rip panels, operated by the red line, are the main deflation apertures. They are designed to be opened once the basket has touched the ground after the final approach.