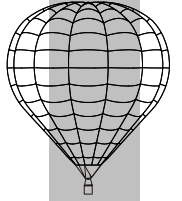


FLIGHT MANUAL SUPPLEMENT 28 Special Shape F-32 “Beirao Bottle”



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28.1 General Information

In this supplement are introduced the particular characteristics and limitations of the hot air balloon special Shape F-32 “Beirao Bottle”.

It will be kept the same numbering of the different sections with the §28.X to know at which sections correspond of the Main Manual, accepting they are substituted or appended by the indicated in this supplement.

28.2 Limitations of use

F-32 Special Shape will have the vertical speeds of ascent and descent and the Maximum Wind speed at Take Off limited in the following manner:

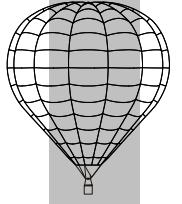
Model	Vmax Ascent	Vmax Descent	Max Wind Speed
F-32	3 m/s	3 m/s	10 Knots

28.3 Emergency procedures

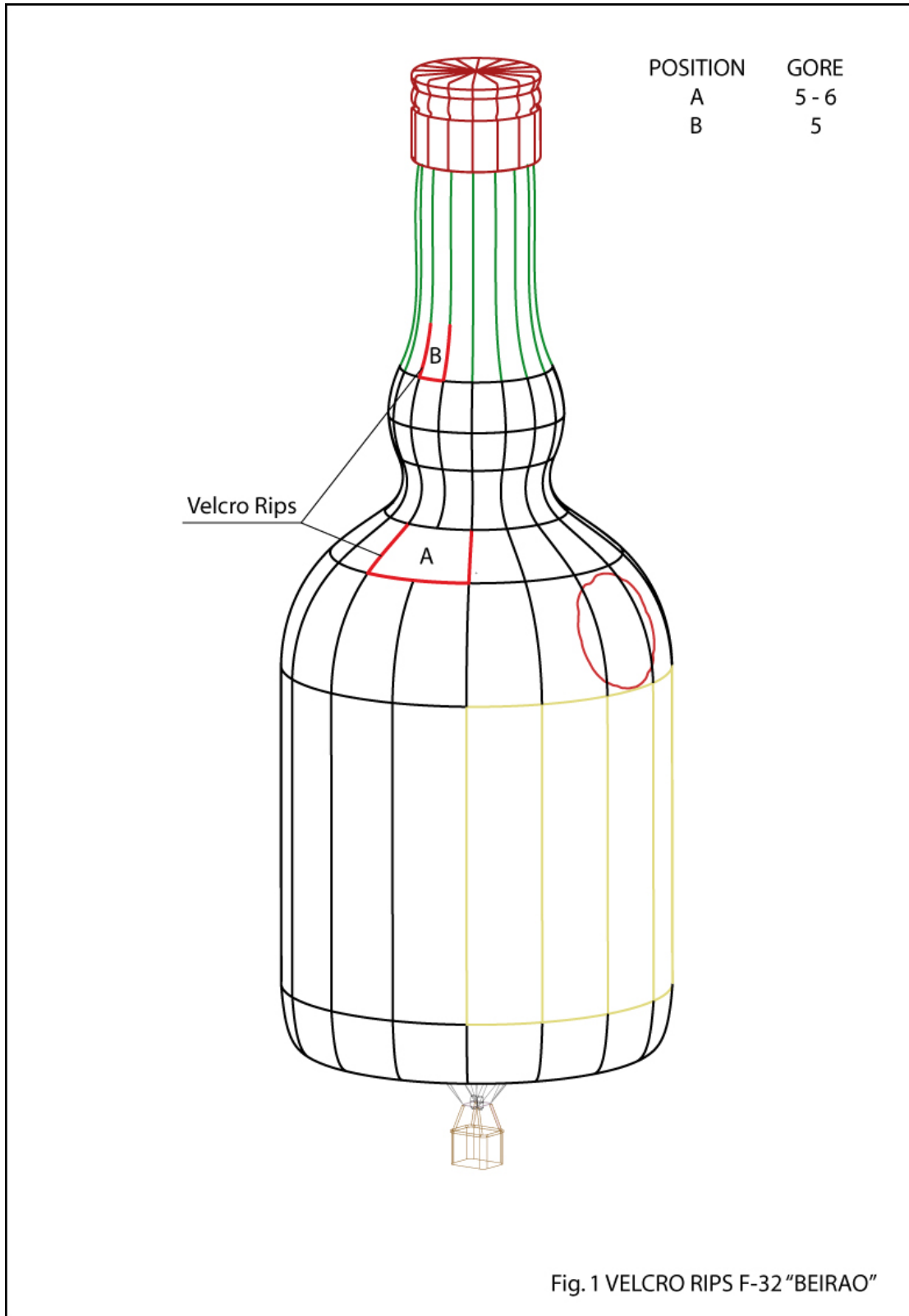
No change.

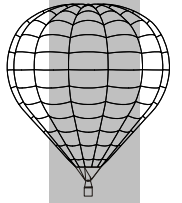
28.4 Standard procedures

Additionally check that all Velcro rips indicated in fig. 1 are closed before hot inflation.



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28.5 Loading

For the calculations in the Load Chart of chapter 5 of the Flight Manual will be used the following characteristics:

Model	V	Basket	Pv	Lmax
F-32	2.173	C-1	304	700
		C-2	298	700
		C-3	324	700
		C-10	333	700

V = volume [m³]

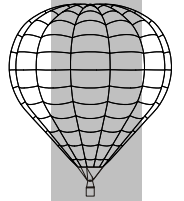
Pv = Empty weight (without any cylinder) [Kg]

Lmax = Maximum authorised Lift [Kg]

F-32 envelope must be flight using one of the following burners:

- MK-10 Double
- MK-21 Double
- BMK-008 Single / Double

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28.6 Balloon and Systems Description

See following table corresponding to mass and dimensions:

SERIES F

Type	F-32
Vol. (m ³)	2.500
Effective vol. (m ³)	2.173
Number of gores	16
FAI class	AX-7
Total height (m)	37.34
Standard basket	C-1
Weight in Standard configuration (Kg)	304
Envelope	
Height (m)	33.66
Max width (m)	13.06
Diameter at the mouth (m)	3.50
Weight (Kg)	195

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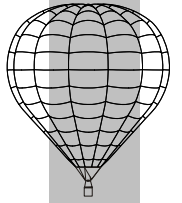
28.7 Balloon Maintenance, Handling and Care

Annual Inspection or every 100 hours (Type B)

All revisions will be type C (fabric grab test required).

28.8 Other manufacturer's equipment

No change.



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