# Supplement 25 - U.S. Certified Special Shapes

### 25.1 GENERAL INFORMATION

This supplement details the special instructions and limitations applicable to the Ultramagic Special Shape envelopes as listed:

F-18 PIZZA	

The content of this supplement was approved originally by D.G.A.C. from Spain in different issues.

#### 25.2 LIMITATIONS OF USE

#### 25.2.1 Vertical velocities

For the following special shapes, the vertical speeds of ascent and descent will be limited in the following manner:

MODEL	Vmax Ascent	Vmax Descent	Max Wind Speed
F-18 PIZZA	2 m/s	3 m/s	15 Knots

### 25.3 LOADING

25.3.1 Table of Empty Weight and Maximum Lift

Model	Vol	Basket	Ρv	Lmax
F-18	34.0	C-6	406	1.000

Vol = Volume in m<sup>3</sup>x100 Pv = Empty Weight (without any cylinder) (kg) Lmax = Maximum Lift (kg) authorised Note: Pv shall be adapted to the personal configuration of the balloon

#### 25.3.2 Table of Compatibility

F TYPE	18														
BURNER (M	/K-2	/ MK-2	2 Supe	er / Mk	K-10 /	MK-21	I / BM	K-008	Powe	erplus)					
Single*															
Double	х														
BASKET															
C-1															
C-2															
C-3															
C-4															
C-6	х														
C-10															

x COMPATIBLE CONFIGURATION

\* BMK-008 POWERPLUS SINGLE ONLY

MK-2 EXCLUDED

Note that a minimum of 2 cylinders must be carried on board in flight for all the envelopes.

## 25.4 BALLOON AND SYSTEMS DESCRIPTION

25.4.1 Dimensions and weights

Туре	F-18
Vol. (m³)	4.450
Effective vol. (m <sup>3</sup> )	3.400
Number of gores	24
FAI class	AX9
Total height (m)	23.7
Standard basket	C-6
Weight in Standard configuration. (kg)	406

### Envelope

Height (m)	19.7
Max diameter (m)	n/a
Length (m)	n/a
Width (m)	28.0
Diameter at the Mouth (m)	3.8
Weight (kg)	280

## Parachute

Diameter (m) 6.5

## 25.5 EMERGENCY PROCEDURES

No change, see Section 3 of the Flight Manual.

#### 25.6 NORMAL PROCEDURES

No change, see Section 4 of the Flight Manual.

#### 25.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change, see Section 7 of the Flight Manual.

#### SUPPLEMENT 25 , Issue 1 HOT AIR BALLOON FLIGHT MANUAL

### 25.8 OTHER MANUFACTURERS EQUIPMENT

No change, see Section 8 of the Flight Manual.

## 25.9 ANNUAL/100 HOURS INSPECTION (TYPE B)

All inspections will be Type C (see Section 7.3) and will be chosen additionally the following areas for the Grab Test described in paragraph 7.3:

F-18 Upper horizontal pizza zone of normal fabric sewed to the standard balloon. First upper panel with normal fabric.

Contact the factory in case of doubt.