

# Flight Manual Supplement

## *Older Equipment*

**Type:** .....

**Model:** .....

**Serial No.** .....

**Registration:** .....

This manual is initially approved by EASA under major change approval number 10068907, dated 22 February 2019.

Subsequent revisions are approved either by EASA or by authority of DOA, no. EASA.21J.277, as detailed on page 2.

**This balloon is to be operated in compliance with information and limitations contained herein.  
The Flight Manual has to be placed in the basket during flight.**

### 0.1 Record of Revisions

Any revision of the present Supplement, must be recorded in the following table. The new or amended text in the revised page will be indicated by a black vertical line in the margin, and the Revision No. and the date will be shown on the bottom of the page.

All changes to this Flight Manual Supplement which were made before the date of the issue stated on the title page have been incorporated into this Manual.

Revision Number	Affected Section	Affected Pages	Date of Issue	Approval	Date of Approval

### 0.3 List of Effective Pages

Section	Page	Date of Issue
0	OBBF-2	22 February 2019
	OBBF-3	22 February 2019
	OBBF-4	22 February 2019
1	OBBF-5	22 February 2019
	2 (Appr.)	OBBF-5
3 (Appr.)	OBBF-6	22 February 2019
	4 (Appr.)	OBBF-6
5	OBBF-6	22 February 2019
	6	OBBF-6
7	OBBF-7	22 February 2019
	8	OBBF-7
9	OBBF-7	22 February 2019
	10	OBBF-7

**NOTE:**

The sections or specific pages identified with "Appr." have been approved by EASA.

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## SECTION 1 - GENERAL

### 1.1 Introduction

This Supplement to the Flight Manual provides information and limitations applicable for older burners and burner frames. The arrangement and numbering of sections in this Supplement is the same as in the Flight Manual. If any section is influenced, only the different or additional information is stated in this Supplement, all other remain without any change (as per Flight Manual).

### 1.2 Applicability

Information and limitations stated in this Supplement apply if any of following equipment is used with the BB balloon:

- burners **H3, H3-D, H4 or HB2**
- **AEROTECHNIK** baskets and fuel cylinders
- baskets **K32T or K40Y** fitted with a burner of any Kubicek type (including KOMET and IGNIS) mounted in burner frame **without the symbol "S/N"** before its serial number

## SECTION 2 - OPERATIONAL LIMITATIONS

### 2.10 Baskets

Baskets Limitations:

Basket	Floor area		Load capacity		Max. Number of Occupants
	[m <sup>2</sup> ]	[sq. ft]	[kg]	[lb]	
J1	1.52	16.3	600	1 322	4
J2	1.66	17.9	900	1 982	5

### 2.11 Fitment Interchangeability

Approved Combinations of BB Envelopes and Baskets AEROTECHNIK:

Envelope model	Basket	
	J1	J2
BB20, BB20GP		
BB22, BB22N, BB22Z		
BB26, BB26N, BB26Z		
BB30N, BB30Z		
BB34Z		
BB37N, BB37Z		
BB42Z		

**Approved Combinations of BB Envelopes and Older Burners:**

Envelope model	Burner			
	H3	H3-D	HB2	H4
BB9, BB9E				
BB12, BB12E				
BB16, BB16E				
BB17GP, BB17XR				
BB18E				
BB20, BB20E, BB20ED, BB20GP				
BB20XR				
BB22, BB22D, BB22E, BB22ED, BB22N, BB22Z				
BB22XR				
BB26, BB26D, BB26E, BB26ED, BB26N, BB26Z, BB26XR				
BB30D, BB30E, BB30ED, BB30N, BB30Z, BB30XR				
BB34D, BB34E, BB34ED, BB34Z				
BB37D, BB37N, BB37Z				
BB40D, BB40Z				
BB42D, BB42Z				
BB45D, BB45N, BB45Z				
BB51D, BB51Z				
BB60D, BB60N, BB60Z				
BB70D, BB70Z				

**Explanation:**

 = approved combination

**SECTION 3 - EMERGENCY PROCEDURES**

No change

**SECTION 4 - NORMAL PROCEDURES**

No change

**SECTION 5 - WEIGHT**

No change

**SECTION 6 - BALLOON AND SYSTEMS DESCRIPTION**
**6.5.6 Fuel Supply**

<b>NOTE</b>	<i>Burners H3-D are fitted with a crossflow valve. With the crossflow valve open the fuel is supplied from one fuel cylinder when both main blast valves are operated at the same time.</i>
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### 6.5.12 Burners H3, H3-D, HB2 and H4

H3, H3-D HB2 and H4 burners are of a similar design with only minor differences in vaporizing coil and its lower cup. The controls are the same.

H4 burner is a triple burner composed of three HB2 units. Its controls are the same as on HB2.

All burners are fed by two hoses of vapour and liquid phase of fuel. The amount of pilot flame is regulated by the valve on the fuel cylinder.

All of these burners are supported in a swinging frame so that a smooth motion is possible.

## SECTION 7 - BALLOON HANDLING, CARE AND MAINTENANCE

No change

## SECTION 8 - EQUIPMENT LIST AND APPENDICES

### 8.1 Equipment List

Table of Baskets Aerotechnik:

Basket Model	Basket Description	Typical Basket Weight	
		[kg]	[lb]
J1	(123 - 128) x (123 ± 5) Open	72	159
J2	(135 - 140) x (123 ± 5) Open	76	167

Table of Burners

Burner Model	Burner Description	Applicable Burners Frames	Typical Burner Weight* (including fuel hoses and frame)	
			[kg]	[lb]
H3	Single burner	Fixed Frame - H3 type	16	35
H3-D	Double burner	Fixed Frame - H3 type	20	44
HB2	Double burner	Fixed Frame - H7 type	24	53
H4	Triple burner	Fixed Frame - H4 type	42	93

\* The weight of each burner is recorded in the log book of that balloon, which it was originally a part of.

## SECTION 9 - APPENDICES

No change

## SECTION 10 - SUPPLEMENTS

No change

## **LET US HELP YOU!**

In case that you have any suggestion, difficulty, problem or comment, please contact our technical department at:

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