# Maintenance manual

Appendix 5

Utilization of Ultramagic bottom ends

This Appendix describes the Maintenance and repair of Ultramagic S.A. hoppers, burners, cylinders, baskets and additional equipment with Schroeder fire balloons envelopes. The envelope is the defining part of the hot air balloon, all Sfb specifications and provisions are applicable. Sfb provides the applicable UM supplements for a given envelope and bottom end configuration. This supplement is approved through major change approval 10073341.

## 1. General description

The operation and installation of Ultramagic S.A. (UM) bottom end equipment is comparable to the operation and installation of Theo Schroeder fire balloons GmbH (Sfb) bottom end equipment.

## 2. Maintenance, Operation and care

The following documents are to be referred to for maintenance and repair of Ultramagic equipment. The latest version must be applied.

### 2.1. Burners

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|---|---|
| Preventative maintenance for burners | UM MM Section 1.2.5 |
| Maintenance and repairs of burners | UM MM Section 4.3 |
| electric main valve for MK-21 | UM MM Supplement 1 |
| MK-10 burners | UM MM Supplement 2 |
| MK-21 Butane variant | UM MM Supplement 7 |
| Cruise control for MK-21 | UM MM Supplement 6. |
| Powerplus single burner BMK-008 | UM MM Supplement 11 |
| Powerplus sport double burner BMK-008 | UM MM Supplement 12 |
| Powerplus maxi burner BMK-050 | UM MM Supplement 13 |
| Vapour pilot light for MK-21 | UM MM Supplement 14 |
| MK-32 burner | UM MM Supplement 23 |

### 2.2. Baskets and hoppers

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|---|---|
| Preventative maintenance for baskets | UM MM Section 1.2.3 |
| Maintenance and repairs of baskets | UM MM Section 3 |
| Tekno baskets | UM MM Supplement 18 |
| CV “Vista” baskets | UM MM Supplement 22 |
| Solo and Duo hoppers | UM MM Supplement 4. |

### 2.3. Cylinders

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|---|---|
| Preventative maintenance for Cylinders | UM MM Section 1.2.4 |
| Maintenance and repairs of cylinders | UM MM Section 4.2 |
| FuelTek system | UM MM Supplement 19 |
| Fastflat couplings | UM MM Supplement 9 |

### 2.4. Burner frames

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|---|---|
| Preventative maintenance | UM MM Section 1.2.6 |
| Maintenance | UM MM Section 4.5 |