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GAMA-tronik Brandschutzservice

Beratung - Planung - Wartung - Instandhaltung – Service

UK

Kitchensafe

Service Manual and Operating Instructions.

Maintenance of the Kitchensafe system, associated gas pipework and system wiring must be carried out by qualified personnel only who hold a valid training certificate from the manufacturer or autorized Distributor.

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8 Servicing

8.1 User Responsibilities

Daily checks required to be carried out by the user:

- Visually check the Kitchensafe Indicator Panel. Ensure that only 2 Green LEDs are illuminated: “POWER” and “APPLIANCE SUPPLY ON”, and no others.
- Check there are no obstructions between the nozzles and the cooking surface, and that the nozzles are not blocked or soiled.
- Check that the temperature sensor is in good condition and clean. sensor if necessary.

If any of these checks reveal problems, refer to the troubleshooting guide (Section 8)

8.2 Servicing Interval

Kitchensafe systems must be serviced every 12 months by Flamefast or a Flamefast approved distributor.

Every 5th year, the system must undergo a test discharge in addition to the standard service procedure.

Kitchensafe requires servicing every 12 months. The yellow “SERVICE REQUIRED” LED will illuminate when the period between services is exceeded. In addition, a buzzer repeatedly sounds for 3 second intervals when the period between services exceeds 12 months.

8.3 Equipment Required for Servicing

To service Kitchensafe systems you will require the following:-

- Kitchsafe Firing Pin Output Test Unit (part number)
- Hot air gun capable of being adjusted to 100 °C
- Kitchensafe Timer Reset Tool (61KSC-T001)
- System Service Report sheet
- New Nozzle(s) (KSU-011)
- Laser Pen Nozzle Aiming Accessory (part number)
- (5 Year service only) Method of trapping Suppressant Liquid during test discharge.

The only heat source permitted for testing is a 100 °C hot air gun.

The use of flames of any sort, higher temperatures from heat guns, or heat guns without regulation of temperature, is all expressly forbidden by Flamefast UK Ltd., and will damage or destroy the temperature sensor.

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1) Check the System Control Box is mounted vertically and securely.

2) Check for water or dirt ingress.

3) Check for safe and correct routing of cables, check also that the cables are not pinched or damaged either inside or outside the system box, and that all connections of internal wiring are secure. Any cables that are damaged must be replaced.

4) Check for signs of Extinguishing Agent leakage.

5) Check for corrosion due to contact with Extinguishing Agent.
6) Check all Hoses are in good condition and routed without kinks or twists.

7) Check the Manifold (where fitted) is securely and correctly mounted in compliance with the fitting instructions.

8) Check that the Nozzle Holders and Nozzles(s) are also securely and correctly mounted in compliance with the fitting instructions.

9) Check the Temperature Sensor is securely and correctly mounted in compliance with the fitting instructions.

10) Fill in the "Result" and "Comments" columns on the System Service Report Sheet.

The Kitchensafe system in question can only be deemed to have passed the test if there is no deviation from the behaviour or state described in this document.

8.3.b) Check Control Panel on for correct operation:-

4) Hold the "LED TEST" button on the front of the System Control box and check all LEDs illuminate. Release the "LED TEST" button.

5) Check system status LEDs for indication of system condition.

6) Fill in the "Result" and "Comments" columns on the System Service Report Sheet.

The Kitchensafe system in question can only be deemed to have passed the test if there is no deviation from the behaviour or state described in this document.

8.3.c) 5 Year Test:-

1) Every 5 years Kitchensafe systems must undergo a discharge test. If this is necessary, skip to section 7.3.g

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8.3.d) Check first stage (lower alarm level) operation:-

8) Switch the system off.

9) As a precaution against accidental firing of the Firing Pin, disconnect it and connect the Firing Pin Output Test Unit.

10) Power-on the system, and allow it to initialise and the "APPLIANCE SUPPLY ON" light to illuminate.
11) Using the hot air gun, carefully raise the air temperature around the Temperature Sensor slowly watching for the "SENSOR TEMP HIGH" LED to illuminate. The alarm buzzer should sound also. Stop heating the Sensor immediately.
12) Allow the Sensor to cool, watching for the "SENSOR TEMP HIGH" LED to turn off. The buzzer should also cease.

13) At no point should the indication LED on the Firing Pin Output Test Unit illuminate.

14) Fill in the "Result" and "Comments" columns on the System Service Report Sheet.

The Kitchensafe system in question can only be deemed to have passed the test if there is no deviation from the behaviour or state described in this document.

8.3.e) Check second stage (upper alarm level) operation:-

10) Turn on to a low setting a single gas, or electric ring on the protected cooktop, away from the access route to the Temperature Sensor.

11) Using the hot air gun, carefully raise the air temperature around the Temperature Sensor slowly, watching for the "SENSOR TEMP HIGH" LED to illuminate. The alarm buzzer should sound also. Continue heating the unit.

12) With further heat applied, the "FIRE DETECTED" LED should illuminate. Stop heating the Sensor immediately.

13) At the same time as the "FIRE DETECTED" LED illuminates, the LED on the Firing Pin Output Test Unit should illuminate and remain lit.

14) At the same time, the Gas/Electric Control Device should have been activated to disconnect the gas or electricity supply, as evidenced by the extinguishment of the gas or electric heat source that was operational on the protected cooktop.

15) Turn the device power off, disconnect the Firing Pin Test Unit and re attach the Firing Pin to the "FIRING PIN" terminals.

16) Switch off the gas or electric ring on the cooker turned on in step 1, above.

17) When the sensor has cooled to room temperature, turn the Kitchensafe power supply back on and check for the illumination of the "POWER" and "APPLIANCE SUPPLY ON" LEDs, indicating correct operation of the unit.

18) Fill in the "Result" and "Comments" columns on the System Service Report Sheet.

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8.4 Reset system timer:-

1) Ensure that the mains supply is connected correctly.
2) Turn off mains power to the system.
3) Attach Timer Reset Tool to “RESET” terminal.
4) Turn on mains power to the system. Ensure the Appliance Supply On LED is illuminated.
5) Depress the button on the Timer Reset Tool for 1 second, listen for the acknowledgement bleep sound.
6) Turn off mains power to the system.
7) Remove the Reset Tool.
8) Wait 60 seconds.
9) Turn on mains power to the system.
10) Check system status LEDs show “POWER” and “APPLIANCE SUPPLY ON” only.

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