

INSTRUCTIONS FOR USE OF THE HAFEX THERMO-BULB ACTIVATORS (HFX-TBA) WITH THE CONDENSED AEROSOL FIRE EXTINGUISHERS

1. Overview

HAFEX thermo-bulb activators (HFX-TBA) with a glass thermo-bulb sensitive to ambient temperature, suitable to use in small volumes such as electric cabinets, battery compartments, diesel generator, engine, electronic equipment, or fuse compartments of vehicles. It is a mechanical point temperature sensing infrastructure that does not require electrical energy or a fire control panel to activate aerosol fire extinguishing generators and it is designed to meet the most basic level of protection. Depending on the characteristics of the environment, the appropriate activation temperature threshold (68 °C, 79 °C, 93 °C or 141 °C) can be selected.

There are three different versions of HAFEX thermo-bulb activators (Short, Mid and Long version) that can be used with Mini HAFEX and Grand HAFEX series condensed aerosol fire extinguishing generators.

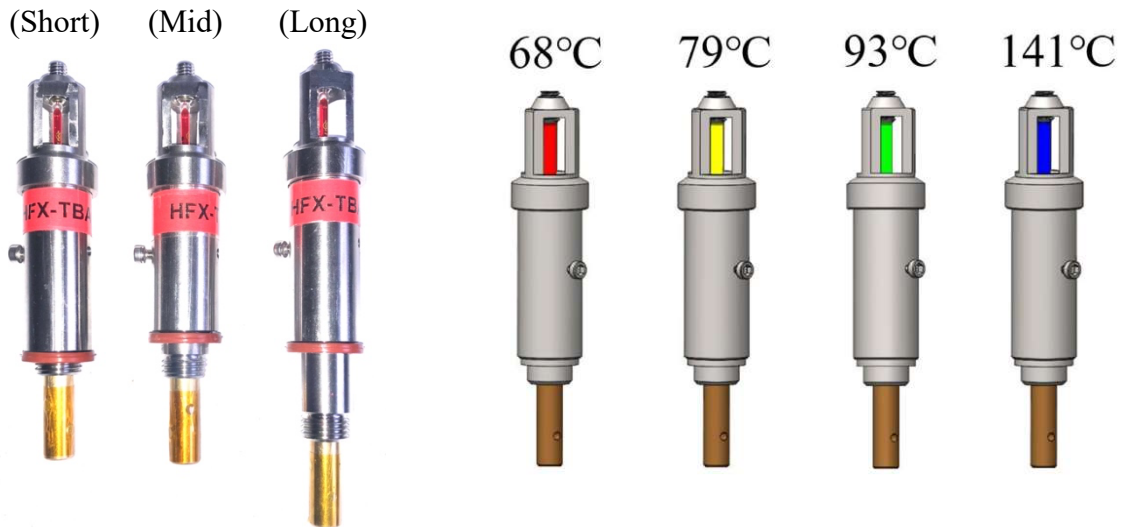


Figure-1. Three different versions of HAFEX Thermo-Bulb Activator (HFX-TBA) and activation temperature options.

2. Assembly Instructions of HFX-TBA (Short version) from HFX-20 to HFX-200

Step 1: Unscrew the electrical activation part mounted on the activation port of the HAFEX aerosol generator by turning it counterclockwise.



Figure-2. Unscrew the electrical activation part.

Step 2: Screw the short version thermo-bulb activator (HFX-TBA) to the activation port of the HAFEX aerosol generator by turning it clockwise. The HAFEX aerosol generator is ready to install for the protected volume.



Figure-3. Screw the short version thermo-bulb activator.

Step 3: After installation, unscrew the M3 safety bolt of the HFX-TBA by turning it counterclockwise using a 2,5 mm Allen key. The HFX-TBA thermo-bulb activator is ready to operate now. The HAFEX aerosol generator will be activated by the HFX-TBA activator when the ambient temperature rises above the detection threshold of the activator.

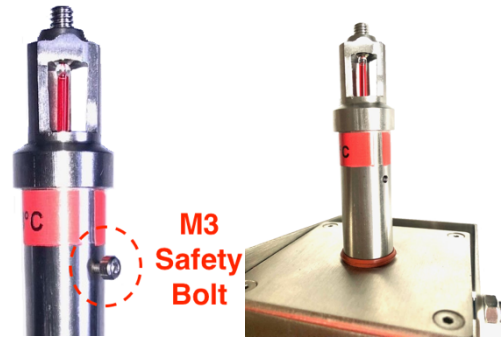


Figure-4. Unscrew the M3 safety bolt of the thermo-bulb activator.

3. Assembly Instructions of HFX-TBA (Mid version) to HFX-500

Step 1: Unscrew the electrical activation part mounted on the activation port of the HAFEX aerosol generator by turning it counterclockwise.



Figure-5. Unscrew the electrical activation part.

Step 2: Screw the mid version thermo-bulb activator (HFX-TBA) to the activation port of the HAFEX aerosol generator by turning it clockwise. The HAFEX aerosol generator is ready to install for the protected volume.

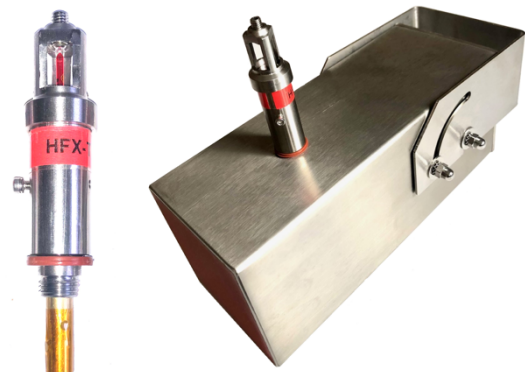


Figure-6. Screw the mid version thermo-bulb activator.

Step 3: After installation, unscrew the M3 safety bolt of the HFX-TBA by turning it counterclockwise using a 2,5 mm Allen key. The HFX-TBA thermo-bulb activator is ready to operate now. The HAFEX aerosol generator will be activated by the HFX-TBA activator when the ambient temperature rises above the detection threshold of the activator.

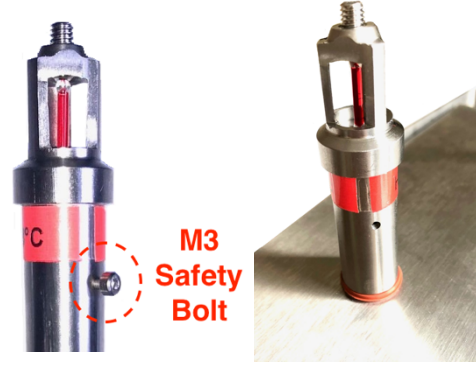


Figure-7. Unscrew the M3 safety bolt of the thermo-bulb activator.

4. Assembly Instructions of HFX-TBA (Long version) from HFX-1100 to HFX-7600

Step 1: Unscrew the electrical activation part mounted on the activation port of the HAFEX aerosol generator by turning it counterclockwise.

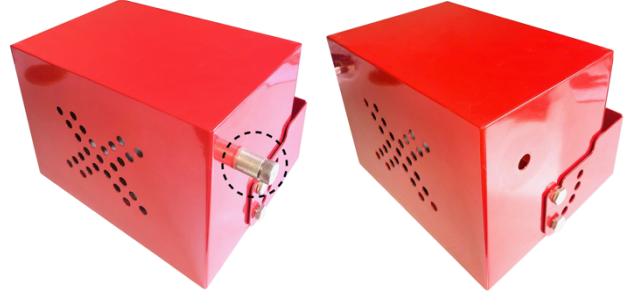


Figure-8. Unscrew the electrical activation part.

Step 2: Screw the long version thermo-bulb activator (HFX-TBA) to the activation port of the HAFEX aerosol generator by turning it clockwise. The HAFEX aerosol generator is ready to install for the protected volume.



Figure-9. Screw the long version thermo-bulb activator.

Step 3: After installation, unscrew the M3 safety bolt of the HFX-TBA by turning it counterclockwise using a 2,5 mm Allen key. The HFX-TBA thermo-bulb activator is ready to operate now. The HAFEX aerosol generator will be activated by the HFX-TBA activator when the ambient temperature rises above the detection threshold of the activator.

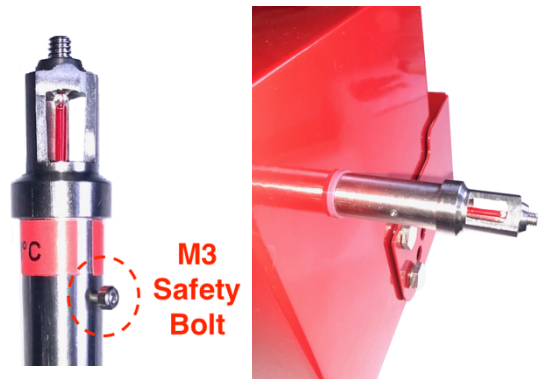


Figure-10. Unscrew the M3 safety bolt of the thermo-bulb activator.