

FireBag®

Use & Care Manual

1. INTRODUCTION

The FireBag automatically turns off gas supply in the event of fire, preventing explosions and the spreading of fire.

When outside temperature reaches 203°F to 212°F (95°C to 100°C) the metal alloy that keeps plug and cartridge together melts and the spring pressure pushes the plug against the gas opening to close it completely.

No fire or heat detectors are required to automatically intercept gas flow.

2. GENERAL SPECIFICATIONS

Thermal safety device, FireBag, as a connection or with integrated interceptor valve (GT2, G4T or R4T).

ASSEMBLING IS TO BE EXECUTED BY AUTHORIZED COMPANIES ONLY.

Before installation read and follow the installation instructions.

3. USAGE

The thermal safety device, FireBag, shuts off automatically the flow of gas in the instance of fire and is certified for natural gas, city gas, and fluid gas I (in gas form). It is manufactured according to DIN 3586 Standard.



Technical Specifications

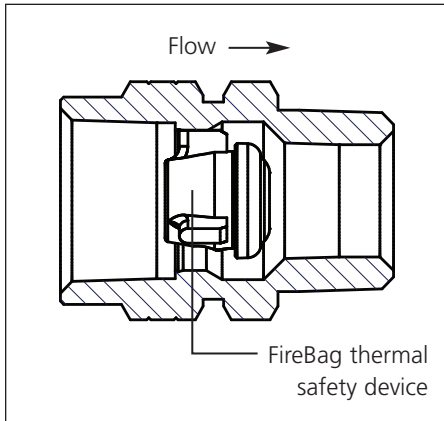
- Maximum Pressure: 72.5 PSI (NPT), 232 PSI (Flanged)
- Temperature Range: -4°F to 176°F
- Set-off Temperature: 203°F to 212°F
- Shut-off time: < 60 sec.
- Heat Resistance: 1,697°F for 60 minutes at 72.5 PSI (NPT)

4. INSTALLATION

1. Before installation, check that the device has not gone off (check the integrity of the shut-off device and the gas flow).
2. Protect the valve against dirt before usage and during the installation.

3. Installation position can be freely chosen, but look carefully at gas flow direction (as indicated by the arrow on the valve body).

Flow Diagram



4. It is suggested to choose an installation place where nothing can disturb the function of the FireBag thermal safety device.
5. Use the correct wrench when installing.
6. Check the tightness of the valve and its connection after installation.
7. When installed, do not paint or cover the safety device.

Caution: Make sure the materials of the plant and its related connections can handle the specified thermal load before installing the safety device to guarantee proper functioning.

5. MAINTENANCE

The FireBag does not need maintenance. A complete valve (or complete connection) is to be replaced whenever the thermal safety device goes off.

6. CERTIFICATIONS

- AGA ANSI Z21.15-CGA 9.1-M97 (certain models)
- CGA ANSI Z21.15-CGA 9.1-M97 (certain models)
- DIN 3586 thermo activated safety device for gas applications
- European UNI EN 1775 Standard for indoor gas installations
- European Directive 90/396/CEE certification for durability in mechanical or thermal stress
- German DVGW TRGI 86/96 Standard for thermo activated locking systems on gas heaters, water heaters & domestic gas fittings
- German Standard Muster-Feuerverordnung (FeuVo v. 02/95 - edition 09/97) for thermo activated devices
- Italian UNI 7129 Ed 2001 Standard for fire protection and gas supply line components

Assured Automation declines any responsibility for faulty usage or false interpretation of the above installation directions.