

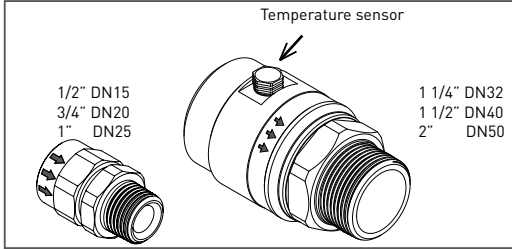


**FIREBAG
THERMAL SHUTOFF
INSTRUCTIONS**

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



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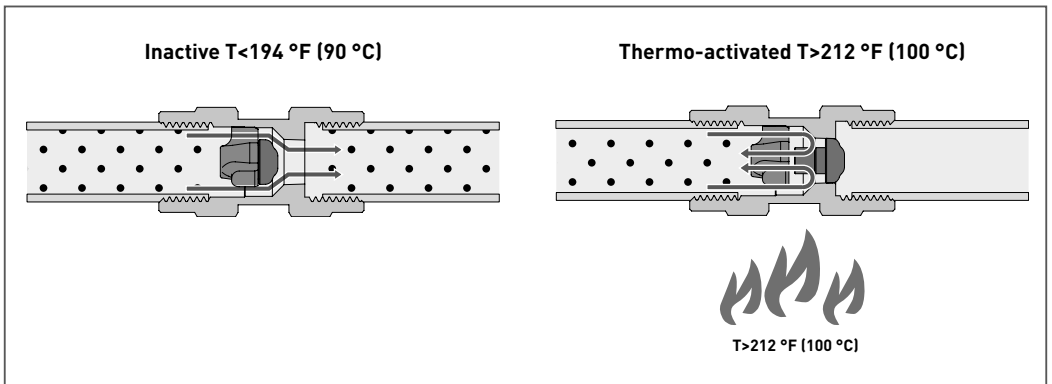
Design and flow direction

Picture is for illustration purposes **ONLY**. Thread configurations may vary by model. Follow the flow arrow on the fitting to be installed.

The below instructions refer to the installation of the thermo-activated device  in gas installations. The  can be supplied as single fitting or threaded or integrated in the valve. Incorrect use of the device may lead to possible explosion due to gas leakage.

 INSTALLATION :

- Do not install the valve if in doubt about the compatibility of the connection fitting with the system.
- Ensure that the device has the adequate capacity for its use.
- Inspect the  to insure there is no dirt or debris inside the .
- Check that the  is not tripped and that it is installed in the proper flow direction.
- Make sure the ambient temperature will not exceed 176 °F (80 °C).
- Make sure the upstream/downstream piping is fire resistant (not plastic etc.).
- **The installation position can be 360° taking care to the flow direction, as indicated by the arrow on the device.**
- Do not install insulation on the , this will delay the reaction time.
- Do not cover the temperature sensor or do not install the  so that the sensor is concealed by another object that could delay / inhibit the reaction to fire.
- Install with normal gas piping installation procedures using the proper tools and gas compatible pipe sealant to insure a proper thread seal and test fitting connections to insure there is no leakage.
- Use gas compatible sealant. Avoid excessive sealant and overtightening.
- After installation and before putting the Gas System into operation, proceed with a tightness test.



WARNING:

• **A standard coat of primer and paint is permitted on the body of the device. Avoid excessive thickness, painting the heat sensor (for devices DN32-40-50), or using insulation of any kind which could impair the functioning of the device.**

- The thermal activated safety device **FIREBAG** does not need maintenance. In the case of activation, this device must be replaced.
- The installation of the device has to be made by a qualified installer.
- For every necessity of installation, testing, and maintenance of other related products, the operator must refer to the technical regulations in force and to the products specific instructions.
- Tested according to DIN 3586.
- **FIREBAG** guarantees the fire resistance feature which shall be intended as written in the DIN 3586 under the acronym "HTB".

TECHNICAL SPECIFICATIONS

Maximum Allowable Operating Pressure (MAOP)

100 PSIG (6.9 bar)

Working Temperature

-40 °F to +176 °F (-40 °C to + 80 °C)

High Temperature Resistance
(Fire Resistance) (*)

Pressure

100 PSIG (6.9 bar)

Temperature

1700 °F x 60' (927 °C x 60')

Leakage (**)

1.06 ft³/h (30l/h)

Set-off Temperature

+203 °F to +212 °F (+95 °C to +100 °C)

Applications

**natural gas, butane, propane
(according EN437:2009 first, second and third
family)**

NOTE

* According to DIN3586, the High Temperature Resistance performance is calculated under the following limit conditions: up to a pressure of 72.5 PSIG (5.0 bar) and a temperature of 1200 °F (650 °C) for 30'.

** Measured using the same testing method as described in DIN3586:2003 point 5.10.2.

WARRANTY:

Any damage to the device or to any part of it must be replaced immediately. Any alteration or tampering with any part of the device leads to the immediate termination of the warranty.

TECO s.r.l does not assume any responsibility for mistakes due to incorrect installation of the valve or non-interpretation of this instruction leaflet.