WARNING:

- **A standard coat of primer and paint is permitted on the body of the device. Avoid excessive thickness, painting the heat sensor (for sizes 1", 1 1/4", 1 1/2", 2"), or using insulation of any kind could impair the functioning of the device.**
- **The Firebag shall be installed in a manner that protects the temperature sensor from mechanical impact or stress. Under no circumstances may the temperature sensor be subjected to mechanical stress such as torsion (screwing/unscrewing), bending or impact. Damage to the sensor leads to loss of function of the FIREBAG 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 installation, testing and maintenance of other system components, refer to each product-specific instructions and regulations.
- Tested and certified according to the thermally activated shutoff device for gas standard, DIN 3586.
- FIREBAG is guaranteed to maintain a fire resistance for 90 minutes at a pressure of 150 psig, with leakage that is less than 3.18 ft^3/h, exceeding the "HTB" requirement of the DIN 3586 standard.

TECHNICAL SPECIFICATIONS

Maximum Allowable Operating Pressure (MAOP)		**150 psig (10.3 bar)**
Working Temperature		**-40 °F to +176 °F (-40 °C to + 80 °C)**
High Temperature Resistance (Fire Resistance) (*)	Pressure	**150 psig (10.3 bar)**
	Temperature	**1500 °F x 90' (815 °C x 90')**
	Leakage (**)	**3.18 ft^3/h (90 l/h)**
Set-off Temperature		**+203 °F to +212 °F (+95 °C to +100 °C)**
Applications		**natural gas, butane, propane (according EN 437:2009 first, second and third family)**

NOTE

* According to DIN 3586, the High Temperature Resistance performance is calculated under the following limited 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 DIN 3586:2003 paragraph 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.

FIREBAG THERMAL SHUTOFF INSTRUCTIONS

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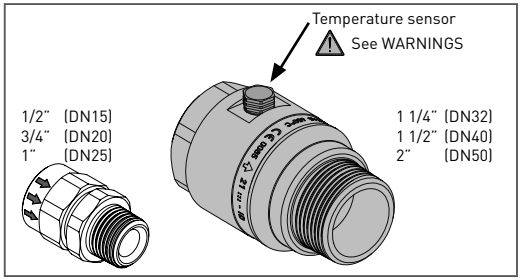

Design and flow direction
Picture is for illustration purposes **ONLY**. Thread configurations may vary by model. Follow the flow arrow on the fitting to be installed.

The below instructions refer to the installation of the FIREBAG thermally activated shutoff device in gas installations. The FIREBAG can be supplied as single fitting or threaded or integrated in the valve. Incorrect use of the device may lead to possible failure and to gas leakage.

FIREBAG 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 FIREBAG to insure there is no dirt or debris inside the FIREBAG
- Check that the FIREBAG 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.).
- **A FIREBAG can be installed vertically, horizontally, or in any 360° position to accommodate proper flow direction, as indicated by the arrow on the device.**
- Do not install insulation on the FIREBAG, this will delay the reaction time.
- Do not cover the temperature sensor or do not install the FIREBAG 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 ensure a proper thread seal and test fitting connections to prevent leakage.
- Use gas compatible sealant. Avoid excessive sealant and over-tightening.
- After installation and before putting the Gas System into operation, proceed with a tightness test.