

THERMAL SHUT OFF VALVES

ΣΥΝΤΑΞΗ:

ΤΜΗΜΑ ΤΕΧΝΙΚΗΣ
ΥΠΟΣΤΗΡΙΞΗΣ
Α. Πολυμενάκος
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ΕΛΕΓΧΟΣ:

ΕΠΙΤΡΟΠΗ ΤΕΧΝΙΚΩΝ
ΠΡΟΔΙΑΓΡΑΦΩΝ
ΕΔΑ ΑΤΤΙΚΗΣ

Α. Χριστοδουλόπουλος
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ΕΓΚΡΙΣΗ:

ΕΠΙΤΡΟΠΗ ΤΕΧΝΙΚΗΣ
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1. Introduction

The present specification is related to the part of the service line installed inside the building.

2. Objective of the specification

The present specification describes the least requirements to be satisfied by the thermally released shut off valves installed at the entry of the service line in to the building.

3. Basic requirements

Thermally released shut off valves shall satisfy the requirements of European Directive 90/396
Thermally released shut off valves shall be constructed and tested according to DIN 3586 or other equivalent accredited in European Community, Standard.

4. Design

The body of the valve must be constructed by galvanized steel or stainless steel .

The valve shall be equipped with thermally released closing element with external temperature sensor.

The release temperature shall be approximately 100 °C.

The Minimum Operating Pressure shall be less or equal to 15 mbar.

The pressure drop of the thermal valve should be max 0,3mbar for all dimensions.

The release time shall be approximately 60 sec.

The valve shall not be activated when ambient is between -20 °C and 60 °C.

The maximum fire resistant temperature and time shall be declared by the supplier and assessed properly by EDA Attikis.

The thermal valves shall be suitable for connecting with threaded joints with galvanized steel.

The nominal sizes of the galvanized steel pipes that will determine the nominal sizes of the excess flow valves will be determined at the time of procurement by EDA Attikis. Indicative dimensions of galvanized steel service lines are the following: 1 in, 1^{1/4}in, 1,5 in, 2in and 2,5 in

5. Certificates

The supplier of the valve shall provide certificates of conformance of the material with the European Directive 90/396 issued by a Certification Body accredited in the European Community.

The supplier of the valve shall also provide 3.1 certificate ensuring the conformance of the valve with DIN 3586 or other equivalent accredited in European Community, Standard.

6. Marking

Excess flow valves shall bear marking on which the following should appear:

1. Manufactures Name
2. Lot Number &Serial Number
3. Direction of gas flow
4. European Standard to which they comply