



**TECHNICKÁ INŠPEKCIA, a.s.**



**SLOVENSKÁ REPUBLIKA**

## **AUTHORISATION**

Registration number: **10/2/2019 – TZ – O(OU,R,M) –  
Aa3,a4,b1,b2,e,Ba,b1,b2,e1,e2,f1,f2,f3,f4**

issued by Technická inšpekcia, a.s., Trnavská cesta 56, 821 01 Bratislava,  
according to the STN EN ISO/IEC 17020

based on Expert Standpoint no.: 1251/2/2019 from verification of expert competence of the company:

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Identification number: **32288352**

Activity:

**O Repair of restricted technical pressure devices in range of:**

<b>OU</b>	<b>repair and maintenance</b>
<b>M</b>	<b>mounting into functional unit at place of intended service</b>
<b>R</b>	<b>reconstruction</b>

Scope:

**technical pressure devices of group A**

- a3** steam boiler with a nominal quantity of steam generated of more than 8 t/h up to and including 50 t/h and a liquid boiler with a heat output of more than 5.8 MW up to and including 35 MW (Class III)
- a4** steam boiler with a nominal quantity of steam generated up to and including 8 t/h and a liquid boiler with a heat output up to and including 5,8 MW (Class IV)
- b1** stationary pressure vessel which does not contain dangerous gases, vapours or liquids with a temperature higher than their boiling point at a pressure of 0.2 MPa with a volume exceeding 10 litres and with which safety coefficient is greater than 20 (200 bar.l) except pressure vessel containing radioactive substances.
- b2** stationary pressure vessel which contains dangerous gases or dangerous liquids at any temperature having a maximum permissible pressure exceeding 0.05 MPa, a volume exceeding 1 litre and a safety coefficient exceeding 5 (50 bar.l) except pressure vessel containing radioactive substances
- e** pipelines with a nominal pipe diameter of more than DN 25 for distributing dangerous liquid with a maximum permissible pressure of greater than 1 MPa with which the product of the maximum permissible pressure and nominal diameter DN is more than 200 (2000 bar)

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**technical pressure devices of group B**

- a** a technical device which is fired or otherwise heated with risk of overheating and is intended for the generating of steam with a nominal pressure up to and including 0.05 MPa or for heating of liquids at a temperature lower than the boiling point at pressure 0,05 MPa with a nominal heat output above 100 kW (Class V)
- b1** stationary pressure vessel containing non-dangerous gases, vapours or liquids with a temperature higher than their boiling point at a pressure of 0.05 MPa with a volume exceeding 1 litre and having a safety coefficient of more than 5 (50 bar.l). Vessel for steam generating which is a component of work equipment also fall into this category, if it conforms to the parameters specified.
- b2** stationary pressure vessel containing dangerous gases or hazardous liquids at any temperature having a maximum permissible pressure exceeding 0.05 MPa, a volume exceeding 1 litre and a safety coefficient exceeding 2.5 (25 bar.l).
- e1** pipeline for distributing of dangerous liquid with a maximum permissible pressure from 0.05 MPa to 1 MPa and with which the product of the maximum permissible pressure in MPa and the nominal pipe diameter DN is 200 (2000 bar) or greater
- e2** pipeline with water vapour or hot water as an operating medium, with which the product of the maximum permissible pressure in MPa and the nominal pipe diameter DN is 250 (3 500 bar) or greater, in which the nominal pipe diameter is greater than DN 100, regardless of the extended parts
- f1** safety accessory which protects the technical pressure device from exceeding of the maximum operating pressure
- f2** safety accessory which ensures the monitoring of and compliance with the operating temperature in said technical pressure devices at which overstepping of the temperature or the temperature falling below certain designated thresholds jeopardises their safety
- f3** safety accessory which ensures the monitoring of and compliance with the levels in said technical pressure devices at which its overstepping or falling below certain designated thresholds jeopardises their safety
- f4** safety accessory which is intended for automatic operation of steam and liquid boilers, such as for automatic blowdown and purging, automatic flow regulation, feeding regulation, temperature regulation of superheated and preheated steam and water

Authorization holder, during activity according to the authorization, shall keep to the terms given in Expert Standpoint no.: 1251/2/2019 dated on 13<sup>th</sup> February 2019.

Banská Bystrica, 13<sup>th</sup> February 2019



On behalf of Technická inšpekcia, a.s.

Ing. Ján Hegyi  
Director of regional office Banská Bystrica