

**1. TITLE OF THE CERTIFICATE (HU)**

35-582-01 Gáz- és hőtermelő berendezés-szerelő

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)Gas furnace and heat generator engineer
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- Put into operation gas furnaces and heat generators and other equipment, regulating and control devices of the system;
- Put into operation solar collectors, heat pumps, biomass-based heat generators and other equipment, regulating and control devices of the system;
- Install and check heat generators and the connected mechanical networks;
- Install electric equipment, switch and control cabinets, control and regulating units;
- Check installation, protection against electric shock and proper functioning of all the electric and safety equipment of the system;
- Detect (with appropriate equipment) and identify errors on the basis of the received information and the perceived phenomena, suggest economical repair solutions to the problem;
- Check the technical operating condition of heaters, heat generators, combustors, combustion chambers, heat exchangers, boiler bodies, indirect storage tanks, mixing and shuttle valves, pumps of the primary and secondary circles, etc.; clean combustors, burners, nozzles, gas and water filters and air vents; repair and replace broken components (as needed);
- Document technical supervision, putting into operation, repair works and issue a standard method statement.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

7521 Pipe network fitter (water, gas, heating pipes)

(*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: <http://europass.cedefop.europa.eu/>

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the institute issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for National Economy</p>																
<p>Level of the certificate (national or international)</p> <p>Level of vocational qualification according to the National Qualification Register: 35 secondary vocational qualification add-ons, which are based on vocational qualifications requiring elementary school qualifications and may typically be obtained in formal education</p> <p>ISCED2011 code: 3</p> <p>NQF level:</p> <p>EQF level:</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																
<p>Certificate number: PT K</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.10.02</p>	<p>Results achieved at the examination and their proportion expressed in percentage in the complex mark</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Central written examination</td> <td style="width: 40%;">Gas furnace and heat generator installation, repair and technicians' tasks</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 30%; text-align: center;">20.00</td> </tr> <tr> <td>Oral examination</td> <td>Building electrical installations and control engineering</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Gas furnace and heat generator installation, repair and technicians' tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">70.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </table>	Central written examination	Gas furnace and heat generator installation, repair and technicians' tasks	5	20.00	Oral examination	Building electrical installations and control engineering	5	10.00	Practical examination	Gas furnace and heat generator installation, repair and technicians' tasks	5	70.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p>Access to next level of education/training</p> <p>to secondary education</p>	<p>International agreements</p>																
<p>Other information concerning the vocational training process</p>																	
<p>Legal basis</p> <p>Act CLXXXVII of 2011 on Vocational Training Professional and examination requirements specified in Decree No. 12/2013 (28 March) of the Ministry for National Economy.</p>																	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 30 % Practice: 70 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		1 year

Entry requirements:

- Elementary level school education
- 34 582 09 Central heating and gas network engineer

Vocational requirement modules:

10206-12 Building electrical installations and control engineering
11405-12 Gas furnace and heat generator installation and repair
11496-12 Gas furnace and heat generator technicians' tasks

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

National Reference Point – NSZFH – <http://nrk.nive.hu>

Head of Examination Organiser:
Issue date: 2023.10.02

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