



1. TITLE OF THE PROFESSION

4 0732 07 03 Központifűtés-és gázhálózatrendszer-szerelő

2. TRANSLATED TITLE OF THE PROFESSION

Central heating and gas network system installer
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- provide the right heating solutions for the comfort of a building, combined with hot water supply;
- instal new systems, renovate, maintain and extend existing systems, and instal and fit gas-fired heating systems;
- carry out the primary work organisation tasks on the basis of the construction documents, following coordination of the sectional plans;
- calculate material requirements, prepare quotations broken down to workflow levels;
- fill in and manage individual construction documents, construction logbooks, construction e-logbooks and carry out the procedures for the handover of the works;
- check the technical condition of tools and equipment, carry out the necessary maintenance tasks, observe, comply with and enforce health and safety regulations during installation and execution;
- carry out test runs of heating systems, and correct and rectify any faults that may occur;
- perform hydraulic adjustment and set-up tasks;
- liaise independently with the customer, and make proposals for technological solutions in terms of energy efficiency and economy;
- install and fit renewable energy systems and integrate them with the heating system;
- develop his/her existing knowledge in the context of innovation.

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

7521 Central heating and pipe network fitter
7521 Plumber and central heating fitter
7521 Plumber and pipe fitter
7521 Gas equipment fitter
7521 Gas pipe fitter
7511 Gas chimney fitter
7522 Chimney and ventilation fitter

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE									
Name and status of the authority issuing the certificate	Name and status of the national /regional authority providing accreditation/recognition of the certificate Ministry for Innovation and Technology								
Level of the certificate (national or international) NQF level: 4 EQF level: 4 Digital Competence Framework level: 5	Grading scale / Pass requirements Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail <p>The prerequisite of being eligible to sit for a sectoral basic examination is the successful completion of all the required training courses, or the recognised prior learning should incorporate the requirements of the sectoral basic examination. The prerequisite of being eligible to sit for a vocational examination is the successful completion of all the training courses and the uninterrupted professional practice required. In case the student is required to pass a sectoral basic examination, latter shall be recognised with the following weighting: The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 10%, Vocational examination: 90%</p>								
Certificate number: CXK A Serial number: 123456 Certificate issue date: 2023.12.07	Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale Sectoral basic examination : The examination was passed based on recognised prior learning Vocational examination central interactive <table border="1"> <tr> <td>Heating technologies and gas networks</td> <td>5</td> </tr> </table> project exercise <table border="1"> <tr> <td>Heating and gas network installing in practice</td> <td>5</td> </tr> </table> <table border="1"> <tr> <td>Result of the vocational examination in percentage</td> <td>100%</td> </tr> <tr> <td>Result of the vocational examination with grades</td> <td>5</td> </tr> </table>	Heating technologies and gas networks	5	Heating and gas network installing in practice	5	Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
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Heating and gas network installing in practice	5								
Result of the vocational examination in percentage	100%								
Result of the vocational examination with grades	5								
Access to next level of education/training	International agreements								
Other information concerning the vocational training process									
Legal basis Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Act LXXX of 2019 on Vocational Education and Training.									

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	2113 hours
<p>Entry requirements:</p> <ul style="list-style-type: none"> - School prequalification: primary education - Occupational health fitness assessment: required <p>Further information:</p>	
VOCATIONAL PRACTICAL SUBJECT	HOURS
Introduction to electronics	12 hour
Introduction to building engineering I	12 hour
Technical drawing skills	12 hour
Building engineering measurements I	12 hour
Building engineering piping systems	12 hour
Heating systems I	12 hour
Heating systems II	12 hour
Introduction to welding	12 hour
Introduction to building engineering II	12 hour
Building engineering measurements II	12 hour
Building engineering design documentation and work management	12 hour
Gas networks I	12 hour
Gas networks II	12 hour
Combustion product discharge	12 hour
VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Introduction to electronics	12 hour
Introduction to building engineering I	12 hour
Technical drawing skills	12 hour
Heating systems I	12 hour
Heating systems II	12 hour
Introduction to building engineering II	12 hour
Building engineering measurements II	12 hour
Building engineering design documentation and work management	12 hour
Gas networks I	12 hour
Gas networks II	12 hour
Combustion product discharge	12 hour
Continuous field practice	160 hour
Altogether	484 hour
<p>Link to the Programme and Outcome Requirements and the Programme Curriculum: https://ikk.hu</p> <p>The present certificate supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.</p> <p>National Reference Point: National Office of Vocational Education and Training and Adult Learning: https://nrk.nive.hu</p>	

Head of Examination Organiser:
Issue date: 2023.12.07

SEAL