

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

54-853-04 Víziközmű technikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Water utility technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES**A typical holder of the certificate is able to:**

- perform tasks related to the operation, maintenance and repair of water extraction, water purification, water distribution and water storage facilities, and supporting equipment;
- participate in the remedy of disturbances in drinking water supply;
- perform tasks related to the operation, control, maintenance and repair of transfer pumps and transfer stations;
- perform tasks related to the operation, maintenance and repair of facilities for water sewage and purification, as well as related supporting equipment, perform tasks related to the recovery of the breakdown of sewerage systems and purification facilities;
- operate disinfectant apparatus;
- participate in the performance of tasks related to sampling and measurements;
- perform the separation, transport and pre-treatment of waste water collected with individual public utility replacing equipment;
- use mechanical, pneumatic, combustion-engine and electronic devices and hand tools;
- record and use paper-based and digital technical documentations, operation logs;
- participate in activities related to customer service;
- comply with and cause to comply with health and safety rules, fire protection and environmental protection rules;
- perform tasks related to the operation, maintenance and repair of the structures and equipment of the waterworks;
- perform tasks related to the operation, maintenance and repair of sanitary baths, beaches, thermal baths, health spas, wellness facilities and spas, as well as swimming pools, thermal water and geothermal water extraction plants, water storage and water management facilities for spas and swimming pools, and related supporting equipment;
- check and operate swimming pools and equipment, spa rooms and spa items;
- check and operate other technical equipment related to spa operation;
- perform tasks related to the operation, maintenance and repair of machines related to the structures of spas and swimming pools, operate, maintain and repair degassing, water cooling and water quality improving structures, equipment;
- perform tasks related to the operation, maintenance and repair of water circulators, water purification equipment and disinfectant apparatus;
- measure, prepare and dose chemical and physical additives;
- check and set the parameters of swimming pool water.

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

3190 Other technical occupation

(*) 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>In the case of vocational qualifications belonging to the competence of the Ministry of the Interior (BM), a vocational qualification-related independent professional committee commissioned by the BM</p>																																
<p>Level of the certificate (national or international)</p> <p>Level of vocational qualification according to the National Qualification Register: 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p>ISCED2011 code: 4</p> <p>NQF level: 4</p> <p>EQF level: 4</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: 15%;">Central written examination</td> <td style="width: 45%;">Professional calculations related to water supply</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 30%; text-align: center;">40.00</td> </tr> <tr> <td>Oral examination</td> <td>Technical processes of water supply utilities, labour safety and environmental protection</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Oral examination</td> <td>Professional knowledge for sewerage system operators, labour safety and environmental protection</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Oral examination</td> <td>Professional knowledge for spa operators, labour safety and environmental protection</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Technical and operational tasks related to water supply utilities- Technical and operational tasks related to water supply</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Technical and operational tasks related to water supply utilities - Technical and operational tasks for sewage system operators in compliance with fire protection and environmental requirements</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Technical and operational tasks related to water supply utilities - Operation, maintenance of the machinery and equipment of spas and swimming pools available for the guests, in compliance with fire protection and environmental requirements</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</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	Professional calculations related to water supply	5	40.00	Oral examination	Technical processes of water supply utilities, labour safety and environmental protection	5	10.00	Oral examination	Professional knowledge for sewerage system operators, labour safety and environmental protection	5	10.00	Oral examination	Professional knowledge for spa operators, labour safety and environmental protection	5	10.00	Practical examination	Technical and operational tasks related to water supply utilities- Technical and operational tasks related to water supply	5	10.00	Practical examination	Technical and operational tasks related to water supply utilities - Technical and operational tasks for sewage system operators in compliance with fire protection and environmental requirements	5	10.00	Practical examination	Technical and operational tasks related to water supply utilities - Operation, maintenance of the machinery and equipment of spas and swimming pools available for the guests, in compliance with fire protection and environmental requirements	5	10.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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Access to next level of education/training Advancement to higher education	International agreements
Other information concerning the vocational training process	
Legal basis Act CLXXXVII of 2011 on Vocational Training	

MEMORANDA

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: 60 % Practice: 40 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- Secondary school leaving examination

Vocational requirement modules:

11498-12 Employment I (for courses based on secondary school-leaving examination)

11499-12 Employment II

11548-16 Introduction to water management

11549-16 Introduction to water technology

11550-16 Tasks for sewage system operators

10881-16 Tasks for spa operators

10879-16 Tasks for waterworks operators

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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