



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Eerste monteur gas/water/warmte
Kwalificatiedossier: Infratechniek

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Skilled mechanic gas/water/heating
Qualification file: Infrastructure technology

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Skilled mechanic gas/water/heating are:

Core task 1: Lays and assembles transport and distribution networks

- 1.1 Prepares for working duties on transport and distribution networks and organises work location
- 1.2 Sets out and digs courses
- 1.3 Lays and assembles transport and distribution networks
- 1.4 Makes new transport and distribution networks ready for use
- 1.5 Administers and finishes off laying and assembly working duties
- 1.6 Supervises less experienced colleagues

Core task 2: Maintains and rectifies malfunctions in transport and distribution networks

- 2.1 Prepares maintenance and malfunction working duties
- 2.2 Localises and analyses malfunctions
- 2.3 Inspects, replaces and repairs parts of transport and distribution networks
- 2.4 Makes transport and distribution networks ready for use after maintenance and/or repair
- 2.5 Administers and finishes off maintenance and malfunction working duties
- 2.6 Supervises less experienced colleagues

Core task 3: Starts up and carries out working duties with stations and/or data networks

- 3.1 Installs installations, components and appendages
- 3.2 Regulates, tests and inspects stations and/or data networks
- 3.3 Maintains and rectifies malfunctions in stations and/or data networks
- 3.4 Administers and finishes off working duties in stations and/or data networks

Core task 4: Organises the work to be carried out

- 4.1 Divides up working duties and gives instructions
- 4.2 Supervises the work to be carried out
- 4.3 Monitors progress of the work to be carried out

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

The Skilled mechanic gas/water/heating works in the sector technology (Kenteq)/construction & infrastructure

*** Explanatory note**

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: 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 is available at: <http://www.europass.cedefop.europa.eu/>

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

(Fundeon). He works for a contractor, a power company, a water company, or a data communication company.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate The certificate issued on completion of the programme is signed by the examination board at the school where the pupil attended the programme.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science
Level of the certificate (national or international) Qualification level 3 of the Dutch VET qualification structure Characteristics: implementation of more than just the own block of tasks. The professional is able to account for his or her actions towards colleagues, and monitors and supervises the work of others. The range of tasks also includes drafting work preparation procedures. NLQF level 3 - EQF level 3 - ISCED 3C	Grading scale / Pass requirements 10 excellent 9 very good 8 good 7 very satisfactory 6 pass 5 fail 4 unsatisfactory 3 very unsatisfactory 2 poor 1 very poor
Access to next level of education/professions The Skilled mechanic gas/water/heating can: - be promoted to gas/heating technician; - broaden to skilled mechanic data/electricity or service mechanic users' connections; - can be promoted to asphalt operator or planner (level 4).	International agreements The profession of Skilled mechanic gas/water/heating is not regulated in the Netherlands. However the education and training for this profession on qualification level 3 is regulated under the European directive 2005/36/EC, amended by directive 2013/55/EU. The regulated education and training gives access to regulated professions at the level of a diploma according to article 11 of this directive.
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 92122 The education and training for this qualification is offered as of August 1, 2009.	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbl).

In the school-based pathway, the majority of the course consists of theory at school. The extent of the practical component (vocational practice) is between 20% and 60%. In the training on the job pathway, the extent of vocational practice is at least 60% of the course. The participant works four days a week in a training company, and attends school for theory subjects just one day a week.

In principle it is possible to follow both learning pathways, but which pathway is offered will depend on the individual educational institution.

Average duration of the education/ training leading to the certificate	3 year(s) (4800 study hours) (depending on previous education)
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Entry requirements

The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.

7. ADDITIONAL INFORMATION

Dutch senior secondary VET is based on qualification files, that each contain one or more qualifications. The information in section 3 and 4 is drawn directly from the qualification file, that is composed by the Centre of Expertise. The complete qualification file is available at www.kwalificatiesmbo.nl, only in Dutch.

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP) for VET: www.nlnrp.nl

7. ADDITIONAL INFORMATION

SBB has been appointed by the Ministry of Education, Culture and Science as NRP.