

# CERTIFICATE SUPPLEMENT (\*)

## 1. TITLE OF THE CERTIFICATE (NL)

**Diploma Beroepsonderwijs**  
**Kwalificatie: Eerste monteur gas-, water- en warmte distributie**  
**Kwalificatiedossier: Infratechniek**  
In the original language

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Certificate Senior Secondary Vocational Education**  
**Qualification: Skilled mechanic gas, water and heating distribution**  
**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, and heating distribution are:

Core task 1: Install, assemble and prepare distribution network for use

- 1.1 Prepares for working duties and organises work location
- 1.2 Digs trenches and wells
- 1.3 Lays and assembles distribution networks
- 1.4 Makes constructed and mounted distribution network ready to use
- 1.5 Finishes and does administrative work for construction and assembly work

Core task 2: Prevent malfunctions and maintains in gas, water and heating distribution

- 2.1 Prepares maintenance and malfunction working duties on gas, water and heating distribution networks
- 2.2 Localises and analyses malfunctions in gas, water and heating distribution networks
- 2.3 Makes gas, water and heat distribution networks non-operational
- 2.4 Maintains, replaces and repairs components of gas, water and heat distribution networks
- 2.5 Makes gas, water or heating transport and distribution networks ready for use after maintenance and/or repair
- 2.6 Administers and finishes off maintenance and malfunction working duties

Core task 3: Organises work to be carried out

- 3.1 Divides up working duties and gives instructions
- 3.2 Supervises the work to be carried out
- 3.3 Monitors progress of the work to be carried out

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

A Skilled mechanic gas, water and heating distribution works in the energy or water distribution sector. Usually he works for contracting, installation or network companies.

He carries out work on gas, water and heating distribution networks, such as maintenance, repairs, assembling gas, water and heating distribution pipelines, appendages and gas, water and heating installations for clients.

### \* 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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### 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the body awarding the certificate</b> The certificate issued on completion of the programme is signed by the examination board at the school where the pupil attended the programme.</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of Education, Culture and Science</p>																				
<p><b>Level of the certificate (national or international)</b> 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</p>	<p><b>Grading scale / Pass requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10px;">10</td><td>excellent</td></tr> <tr><td>9</td><td>very good</td></tr> <tr><td>8</td><td>good</td></tr> <tr><td>7</td><td>very satisfactory</td></tr> <tr><td>6</td><td>pass</td></tr> <tr><td>5</td><td>fail</td></tr> <tr><td>4</td><td>unsatisfactory</td></tr> <tr><td>3</td><td>very unsatisfactory</td></tr> <tr><td>2</td><td>poor</td></tr> <tr><td>1</td><td>very poor</td></tr> </table>	10	excellent	9	very good	8	good	7	very satisfactory	6	pass	5	fail	4	unsatisfactory	3	very unsatisfactory	2	poor	1	very poor
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2	poor																				
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<p><b>Access to next level of education/professions</b> A Skilled mechanic gas, water and heating distribution can expand his professionalism by becoming a Skilled mechanic gas stations, Skilled mechanic data distribution, or Skilled mechanic low voltage distribution. He can also develop to become a Technician gas, Building site supervisor or Planner.</p>	<p><b>International agreements</b> The profession of Skilled mechanic gas, water and heating distribution 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.</p>																				
<p><b>Legal basis</b> Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 25267 The education and training for this qualification is offered as of August 1, 2015.</p>																					

### 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbi). 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.</p>	
<p><b>Average duration of the education/ training leading to the certificate</b></p>	<p><b>3 years (4800 study hours) (depending on previous education)</b></p>
<p><b>Entry requirements</b> The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.</p>	

## 7. ADDITIONAL INFORMATION

Dutch senior secondary VET is based on qualification files, that each contain one or more qualifications. The information included in part 3 and 4 is derived directly from the qualification file determined by the Minister of Education, Culture and Science. The complete qualification file can be found at <http://kwalificaties.s-bb.nl/>, only in Dutch.

Optional subjects are linked to the qualification. The optional subjects have a total size of 15% of the course duration. The optional subjects completed by the student are listed on the certificate.

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP): [www.s-bb.nl](http://www.s-bb.nl). The NRP is the information centre for vocational qualifications in the Netherlands. SBB has been appointed in this capacity by the Ministry of Education, Culture and Science.