

1. Title of the certificate (NL)

Ervaringsbewijs: koelmonteur (m/v)

In the original language

2. Translated title of the certificate

Certificate of professional competence: refrigeration installation fitter (m/f) (EN)

Titre de compétence professionnelle: monteur frigoriste (h/f) (FR)

This translation has no legal status.

3. Profile of skills and competences

The occupational standard was developed and approved by the sectoral social partners.

The holder of the certificate of professional competence can:

assemble components:

- use the list of materials and the work schedules to check all the requisite materials are available;
- contact the person in charge if the actual situation is inconsistent with the work schedules;
- observe the manufacturer's assembly instructions;
- use fixing products that are suitable for the base and the components to be fixed;
- place the components in an accessible place in the light of the subsequent connection, maintenance and repair activities;
- assemble the filter dryer or the filter cartridge as the final component;
- close all the openings of the components so they are airtight and watertight during breaks.

machine and assemble copper freezing pipes:

- use equipment that is suitable for the material and pipe diameter;
- prevent distortion;
- trim after cutting so the burr does not fall in the freezing pipe;
- close freezing pipes that are not machined;
- prevent impurities during machining;
- provide for expansibility in the case of conduits and fastening;
- observe the specified support points;
- push the insulation on the freezing pipes to be insulated.

make connections:

- degrease and clean the surfaces to be connected;
- during brazing adapt the additives to the materials;
- during brazing ensure a maximum flux of the additives without burning the piping;
- during brazing ensure a constant flow of inert gas;
- ensure that all connections to be disconnected are accessible for inspection;
- make flare connections without tearing and distorting;
- use flare connections only when brazing is not possible.

assemble piping:

- place protective materials between electricity cables and sharp edges;

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 available at: <http://europass.cedefop.europa.eu>

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- connect electricity cables according to the clamp and cable list;
- use cable sockets and threaded sleeves;
- prevent machine stress on the electricity cables;
- allow discharge pipes to run out at the discharge outlet.

prepare the installation for vacuuming and filling:

- fill the complete installation with inert gas up to the installation's specified maximum permissible working pressure or according to the instructions in the work schedule;
- check the connections for leaks and repair them;
- glue the insulating sheath to constitute a whole without changing the thickness of the insulation;
- leave the installation at pressure and place signs;
- note the pressure, ambient temperature, date and time of the tests.

work in safe and environmentally-conscious conditions:

- wear personal protective equipment suitable for the task to be carried out;
- have an extinguishing agent available when working with a naked flame;
- fasten all gas cylinders vertically;
- tidy up to prevent falling, stumbling and slipping;
- sort waste according to workplace instructions;
- operate according to work place safety signs and the customer's rules;
- use the machinery safety devices according to the manufacturer's instructions;
- avoid causing environmental damage during working involving heat.

The holder of the certificate of occupational competence can demonstrate a knowledge of :

- unsafe work situations when working at a height, during the risk of falling and stumbling and working with an inert gas;
- the safety signs featured in the annex of the standard.

4. Range of sectors and occupations relevant to the holder of the certificate

A refrigeration installation fitter fits refrigeration installations, air-conditioning and heat pumps in the commercial refrigeration sector: in residential homes, in firms and public buildings.

5. Official basis of the certificate

<p>Name and status of the body awarding the certificate <i>Test centre recognized by the Flemish government</i></p>	<p>Name and legal status of the national/regional authority providing accreditation/recognition of the certificate <i>Flemish Ministry of Work and Social Economy</i> <i>Koning Albert II laan 35 box 21</i> <i>1030 Brussels</i></p>
<p>Level of the certificate (national or international) <i>Flemish level</i> <i>RAC (Recognition of Acquired Competences)</i></p>	<p>Grading scale / Pass requirements <i>All competences as described in point 3 must be proved.</i></p>
<p>International agreements</p>	
<p>Legal basis</p> <ul style="list-style-type: none"> • <i>Flemish Government Order of 23 September 2005 implementing the Decree of 30 April 2004 on the acquisition of a certificate of professional competence</i> • <i>Ministerial Order of 5 March 2007 determining the standard for the title of refrigeration installation engineer (certificate of professional competence)</i> 	

6. Officially recognized ways of acquiring the certificate

Description of followed pathways	Percentage of total programme (%)	Duration (hours/weeks/months/years)
Recognition of acquired competences	100 %	Max. 8 hours
Total duration of the assessment leading to the certificate		Max. 8 hours

Additional information

The assessment was developed according to the refrigeration installation fitter standard, as established and approved by employees' representatives and employers' representatives from the electricians sector: installation and distribution. The assessment consists of an optional portfolio evaluation and the actual assessment by 2 evaluators according to the refrigeration installation fitter standard.

More information is available at:

www.ervaringsbewijs.be

Flemish overview of Europass certificate supplements:

You can download the Flemish Europass Certificate supplements in different languages and find a description of the national and regional systems for qualifications at:

www.europass-vlaanderen.be/cs