

## 1. TITLE OF THE CERTIFICATE <sup>(1)</sup>

**Külmamehaanik, EKR tase 4**

<sup>(1)</sup> in the original language

## 2. TRANSLATED TITLE OF THE CERTIFICATE <sup>(1)</sup>

**Refrigeration Mechanic, EstQF level 4**

<sup>(1)</sup> if applicable. This translation has no legal status.

## 3. PROFILE OF SKILLS AND COMPETENCIES

Refrigeration mechanics install and maintain systems containing refrigerants to create artificial climate in trade, transport, residential buildings, industry etc. The job of a refrigeration mechanic includes fitting, electrical and automation operations.

A refrigeration mechanic of level 4 installs, maintains, commissions and sets up various refrigeration equipment and complex systems containing refrigerants. He/she checks the leak tightness of cooling systems both in opened and unopened cooling circuits and collects the refrigerant irrespective of its quantity.

He/she works as a team member or independently in situations, where it is necessary to initiate and implement relevant changes and instruct the inexperienced co-workers.

In his/her work, a refrigeration mechanic takes into account the properties of the refrigerants and the cooling compressor oils and the operating safety of refrigeration systems.

Areas of work

1. Installation of refrigeration equipment and systems
  - Installing utility lines.
  - Connecting and installing refrigerant pipes.
  - Installing factory-assembled equipment.
  - Installing equipment made from refrigeration components.
2. Maintenance and operation of refrigeration equipment and systems
  - Regulating equipment.
  - Testing equipment.
  - Servicing equipment.
  - Detecting and repairing faults in equipment.
  - Activation, regulation and adjustment.
3. Leakage testing of cooling systems by opening cooling circuit
  - Testing cooling circuit.
  - Conducting procedures after testing.
4. Leakage testing of cooling systems without opening cooling circuit
  - Testing cooling circuit.

### <sup>(\*)</sup>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/en/home>

- Conducting procedures after testing.

5. Refrigerant collection

- Collecting refrigerant from cooling system.
- Conducting procedures after collection.

#### 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE <sup>(1)</sup>

Refrigeration and air conditioning mechanic, marine refrigeration mechanic

<sup>(1)</sup> If applicable

#### 5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate	Name and status of the national/regional authority providing accreditation/recognition of the certificate
The occupational certificate that has been issued by the professional council that operates under the activity license issued by a Awarding Body	Sector Skills Council approved by a Regulation of the Government of the Republic
<b>Level of the certificate (national or international)</b>	<b>Grading scale / Pass requirements</b>
Estonian Qualification Framework level 4 European Qualification Framework level 4	passed/fail
<b>Access to next level of education/training</b>	<b>International agreements</b>
Refrigeration equipment installation manager, EstQF level 5	
<b>Legal basis</b>	
Occupational Qualifications Act (RT I, 10.12.2010, 12; 01.01.2011)	

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

In order to obtain a occupational certificate, the applicant has to prove all his/her competencies required by the occupational standard and by the procedure for awarding of occupational qualification established by the body awarding the occupational qualification.

**More information** (including a description of the national qualifications system) available at:

[www.kutsekoda.ee](http://www.kutsekoda.ee)