



CERTIFICATE SUPPLEMENT (*)



1. TITLE OF THE CERTIFICATE (EN)

Plumber

2. TRANSLATED TITLE OF THE CERTIFICATE (IS)

Pípulagningamaður - pípulagnir

This translation has no legal status

3. PROFILE OF KNOWLEDGE AND SKILLS

The holder

- is capable of reading construction drawings and detail drawings of building parts as well as building part finishing and project phases. Designs and implements hot and cold water and drainage pipes and makes detail drawings and finishing. Is able to produce surveying plans, locate and offset elevations on plans for drainage pipes and wells
- installs indoor central heating systems such as radiator systems and under floor heating systems. Installs control systems, tests pressure and starts heating systems and co-ordinates their function. Installs indoor drinking water systems and installs and connects bathroom and household fixtures. Installs and tests the pressure of indoor and underground draining systems as well as connecting the utilities system with the utility mains and adjusting the equipment in plant and machinery rooms
- installs various specialised plumbing systems, such as gas, pneumatic and oxygen systems, heat pumps and rear coolers. Installs snow melting systems and installs and connects mains and distributor pipes. Installs water vapour and fire extinguisher systems with the appropriate control equipment and looks after its maintenance. Installs and connects equipment in cooling systems and connects septic tanks
- assesses the need and looks after the maintenance and repairs of plumbing systems and connected equipment. Knows the law and regulation on the protection and preservation of old buildings and traditional building methods and handiwork
- determines the suitable methods, work procedures, tools and materials to use in each case. Is familiar with the characteristics of materials and the relevant power pressures
- knows and adheres to law and regulation on facilities, health and safety in the workplace. Is familiar with the principles of sustainability and environmental protection and follows eco-friendly standards when selecting materials and working methods and rules on the handling and use of dangerous substances
- is aware of professional responsibilities and is able to evaluate his own work. Is familiar with quality requirements systems
- is able to guide others, such as apprentices and consumers, on professional matters
- is able to describe the range of responsibilities that Masters of the Trade hold and their role. Knows procedures from the time of tender process until final delivery. Has an insight into the running and organising of companies.

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

The work performed by plumbers consists largely in installing and repairing cold water, hot water, drainage and gas plumbing systems in private homes, institutions and companies. They install appliances and fixtures such as toilets, sinks, bathtubs, shower units and sit baths. They also work at installing snow melting systems, cooling systems and solar energy systems. They perform general plumbing work. Installing new plumbing systems is the main part of a plumber's work, as well as maintenance, renewal and various types of service. This includes adjustments and inspections, consultation, sales and promotion. Authorised to work as plumbers are those who have earned a journeyman's certificate in plumbing, issued by the Minister of Industry and Innovation.

(*) 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 on transparency is available at: www.cedefop.eu.int/transparency
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5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate An Icelandic upper secondary school operating on the basis of the Upper Secondary School Act and the National Curriculum for Upper Secondary Schools, issued by the Minister of Education, Science and Culture.	Name and position of governing body or region that looks after certifying or confirming the certificate The Ministry of Education, Science and Culture
Level of the certificate (national or international) Upper secondary school level Isced 3 Icelandic Qualifications Framework (ISQF) Level 3 – EQF Level 4	Grading scale / Pass requirements 1-10 Passing grade 5.
Examples of further educational opportunities Studies for master of crafts examination, additional studies for matriculation or technical studies	International agreements
Legal basis The Upper Secondary School Act no. 92/2008, regulation regarding journeyman's examination no. 698/2009 The Industrial Act no. 42/1978 and regulations on Authorised Branches of Industry no. 940/1999	

6. FRAMEWORK AND ORGANISATION OF TRAINING

The average duration of the education and training programme is four years, organised as follows: formal education for four school terms, or 72 weeks including examinations, and 96 weeks of on-the-job training. The programme concludes with a journeyman's examination.

Entry requirements

To have passed final exams of compulsory education

Additional information

Further information may be found on <http://eng.menntamalaraduneyti.is>

National reference point

The Ministry of Education, Science and Culture, <http://eng.menntamalaraduneyti.is>