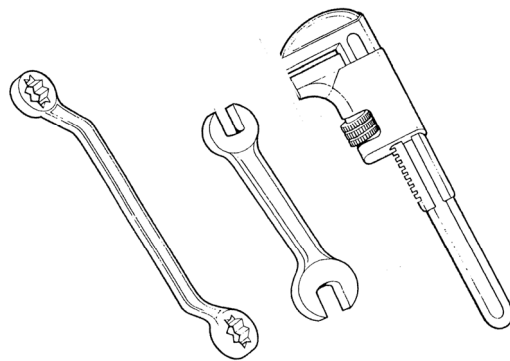


# **Trade of Plumbing**

## **Module 2: Domestic Hot and Cold Water Service**

### **Unit 14: Domestic Hot and Cold Water Installation**

#### **Phase 2**





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## Document Release History

Date	Version	Comments
June 2006	V.1.0	
18/02/14	2.0	SOLAS transfer

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## Module 2 – Domestic Hot and Cold Services

### Unit 14 – Domestic Hot and Cold Water Installation

**Duration – 40 Hours**

**Learning Outcome:**

By the end of this unit each apprentice will be able to:

- Install cold water storage cistern and hot water storage cylinder
- Assemble and install wash hand basin, WC and bath.
- Install connecting hot and cold copper pipework.
- Install connecting soil and waste pipework.
- Produce a material list and estimate the cost of installation.
- Install cold feed to storage using pex pipe.
- Install cold feed to cylinder using pex pipe.

**Key Learning Points:**

- |             |  |
|-------------|--|
| <b>Sk</b>   | <b>Interpretation of drawings.</b>                           |
| <b>Sk</b>   | <b>Preparation of materials list.</b>                        |
| <b>P</b>    | <b>Planning.</b>   |
| <b>P</b>    | <b>Communication.</b>  |
| <b>Sk</b>   | <b>Fitting wall brackets.</b>                                |
| <b>Sk</b>   | <b>Installation of storage cistern and storage cylinder.</b> |
| <b>Sk</b>   | <b>Assembly and installation of sanitary appliances.</b>     |
| <b>Rk</b>   | <b>Recommended fixing heights for sanitary appliances.</b>   |
| <b>Rk</b>   | <b>Domestic hot and cold water systems.</b>                  |
| <b>Sk</b>   | <b>Copper pipe bending and jointing.</b>                     |
| <b>Sk H</b> | <b>Use of hand tools, power tools.</b>                       |
| <b>Sk</b>   | <b>Jointing soil and waste pipework.</b>                     |
| <b>Sk H</b> | <b>Use of gas torches.</b>                                   |
| <b>Sk</b>   | <b>Pipe bracketing.</b>                                      |
| <b>Rk</b>   | <b>Valve identification.</b>                                 |

- P** Teamwork, initiative.
- P** Good working practice.
- Sk** Testing.
- M** Pricing and estimating.

**Training Resources:**

Classroom facilities, information sheets, workshop facilities.

**Exercise:**

Apprentice to answer sample questions:

1. Two apprentices to install and pipe domestic hot and cold water system as per Exercise No. 2.2.14. in the curriculum document.

**Key Learning Points Code**

**M** = Maths      **D** = Drawing      **RK** = Related Knowledge      **Sc** = Science  
**P** = Personal Skills      **Sk** = Skill      **H** = Hazards



## **About this Unit**

This unit is primarily a skill based unit, please refer to your instructor.

## Self Assessment

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