

NATIONAL CERTIFICATE: HOT WATER SYSTEM INSTALLATION



DURATION	LEVEL	SAQA QUALIFICATION ID	DELIVERY METHOD	MINIMUM CREDITS
12 Months	NQF Level 2	96404	Classroom	122

INTRODUCTION

This Qualification is for any individual who is, or wishes to be, involved as a hot water system installer in the plumbing sector. The individual will perform this activity under the supervision and guidance of a qualified plumber. The Qualification contains all the competencies, skills and values required by a learner who may wish to work towards becoming a fully qualified plumber by completing the plumbing qualification is at NQF Level 4. This Qualification could be deemed to be an entry level qualification into the plumbing field.

AUDIENCE PROFILE

The National Certificate: Hot Water System Installation at NQF Level 2, is intended for unemployed youth, employed personnel or new candidates entering the workplace, requiring Hot Water System Installation skills. This qualification is for any individual who is or wishes to be a hot water system installer in the plumbing sector. The individual will perform this activity under the supervision and guidance of a qualified plumber.

PREREQUISITES

- National Certificate: Plumbing NQF Level 2 (or equivalent)
- Mathematical literacy at NQF Level 3
- Communication at NQF Level 3
- Unit standard 14580: Read and interpret construction drawings and specifications. NQF Level 3
- Unit standard 116534: Carry out basic first aid treatment in the workplace. NQF Level 3
- Unit standard 242692: Install access equipment for construction work. NQF Level 3

MODULES

- Plan and prepare for the installation of pipes and mounting of solar water heating system.
- Read and interpret construction drawings and specifications.
- Install pipes and pipe fittings.
- Mount and fit solar water heating system.
- Prepare and plan for the installation of solar water heating systems in a safe and compliant environment.
- Conduct maintenance and make repairs to solar water heating systems.

EXIT LEVEL OUTCOMES

Outcome 1:

Explain and apply knowledge of health and safety as it pertains to installation of a hot water system.

Outcome 2:

Apply knowledge of scaffolding and fall arrest for the installation of a hot water system.

Outcome 3:

Explain basic plumbing principles and construction drawings to

enable installation of hot water system.

Outcome 4:

Install a solar water heating/hot water system.

MAIN COMPETENCIES OF THIS QUALIFICATION

- Apply plumbing principles as they pertain to the installation of a hot water system.
- Install and test cold and hot water supply systems.
- Mount and connecting solar water heating systems.