



Australian Government

AHCMKH404 Install milking equipment

Release: 1

AHCMKH404 Install milking equipment

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to install milking equipment.

All work must be carried out to comply with workplace procedures, work health and safety, animal welfare and biosecurity legislation and codes, and sustainability practices.

This unit applies to individuals who take responsibility for their own work and provide and communicate solutions to a range of predictable and sometimes unpredictable problems.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Milk Harvesting (MKH)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Order installation components	1.1 Complete contract for work with customer 1.2 Order specified tinware as per planned installation 1.3 Ensure bending and rolling of pipe work meet specifications 1.4 Assemble components in transportable sections for transfer to site 1.5 Seek specialist advice for non-standard installations
2. Inspect and prepare installation site	2.1 Check site location, dimensions and levels 2.2 Determine work health and safety hazards, assess risks,

Element	Performance criteria
	implement controls and complete records 2.3 Report non-compliance and make alterations and corrections in consultation with the appropriate authorities 2.4 Measure installation and mark layout as per contract plans
3. Manufacture components in the workshop	3.1 Ensure vacuum pump guards and stands are made according to specifications 3.2 Ensure pipelines and vessels are manufactured and assembled according to installation design 3.3 Pre-wire electrical components 3.4 Complete non-milking systems as per dairy plan 3.5 Determine work health and safety hazards, assess risks and implement safe systems of manufacture
4. Install machine/equipment	4.1 Prepare machine/equipment components for sequential installation 4.2 Install machine/ equipment as per specifications and in co-operation with the enterprise and trade and building personnel 4.3 Carry out all work as per regulatory requirements and in compliance with the Australian Standards for Milking Equipment Installation and Performance 4.4 Determine work health and safety hazards, assess risks and implement safe systems of installation 4.5 Make modifications to standard operating procedures as required 4.6 Level, align, couple and connect machine/ equipment as per specifications, excluding electrical components
5. Commission test installed machine/equipment	5.1 Complete mechanical testing of machine/ equipment to ensure conformance to specifications, performance standards and other requirements such as work health and safety 5.2 Take corrective actions for machine/equipment performing below standards and manufacturer's specifications 5.3 Ensure final work quality and finish comply with established industry standards 5.4 Clean site, remove all leftover materials and waste, and ensure that site is safe 5.5 Record and report all alterations/modifications to machine/equipment to the appropriate authority

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCMKH404A Install milking equipment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCMKH404 Install milking equipment

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- order installation components
- inspect and prepare installation site
- manufacture components in the workshop
- install machine/equipment
- commission test installed machine/equipment
- implement work health and safety policies

Knowledge Evidence

The candidate must demonstrate knowledge of:

- types, functions, cleaning, operation, monitoring and maintenance of milking facilities and milking machine/equipment
- requirements, resources, components, manpower and procedures for installation of milking machine/equipment
- requirements, criteria and procedures for making alterations/modifications to milking machine/equipment
- Australian Standards for Milking Equipment Installation and Performance, regulatory requirements and procedures for reporting non-compliance
- implications and impacts of non-compliance of milking machine/equipment
- relevant requirements and considerations for installing milking machine/equipment
- key aspects and components of contracts for work
- types of relevant approvals, authorities and permits required, and procedures to obtain these approvals, authorities and permits
- criteria and methods for assessing performance of milking machine/equipment

- requirements, procedures and assessment criteria for mechanical testing of milking machine/equipment
- possible faults, problems and poor performance with milking machine/equipment and corrective actions for these faults, problems and poor performance
- requirements, methods and procedures for site cleaning, waste and debris disposal
- relevant work health and safety requirements

Assessment Conditions

Competency is to be assessed in the workplace and/or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

Links

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