



Australian Government

FBPCEL3008 Operate the rotary vacuum filtration process

Release: 1

FBPCEL3008 Operate the rotary vacuum filtration process

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to prepare and operate the rotary vacuum filtration process to filter juice product or wine.

The unit applies to individuals who work in winemaking operations and take responsibility for their own work using discretion and judgement in the selection and use of available resources.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, and food safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Cellar Operations (CEL)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare the rotary vacuum filtration process for operation	1.1 Identify and confirm production requirements 1.2 Confirm availability and prepare product and materials to meet filtration requirements 1.3 Confirm environmental guidelines and identify potential health and safety in the workplace hazards and controls in accordance with

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	workplace procedures 1.4 Select, fit and use personal protective equipment according to job requirements 1.5 Confirm availability and prepare product and materials are available and ready for operation 1.6 Check equipment to confirm readiness for use according to workplace procedures 1.7 Set the process to meet filtration requirements and job requirements
2. Operate and monitor the rotary vacuum filtration process	2.1 Start up the rotary vacuum filtration process according to workplace procedures 2.2 Monitor rotary vacuum filtration process to confirm the filtration meets specification 2.3 Identify and address non-conformance product, process and equipment performance
3. Shut down the rotary vacuum filtration process	3.1 Identify and implement appropriate shutdown procedures 3.2 Dismantle equipment safely and prepare for cleaning 3.3 Collect, treat and dispose of or recycle waste generated by both the rotary vacuum filtration process and cleaning procedures 3.4 Record workplace information according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Comprehend instructions in workplace documents
Writing	Complete workplace documents in required format
Numeracy	Perform calculations relating to measurements, quantities and operational specifications

Skill	Description
	Interpret symbols and numbers during monitoring of process
Navigate the world of work	Apply workplace procedures and legislative responsibilities to own role
Interact with others	Use required communication mode to report operational information to relevant personnel
Get the work done	- Plan, sequence and implement tasks according to set routines and procedures - Problem solve issues as they arise

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPCEL3008 Operate the rotary vacuum filtration process	FDFCEL2014A Operate the rotary vacuum filtration process	Updated to meet Standards for Training Packages Minor changes to Elements and Performance Criteria for clarity Prerequisites removed Unit code updated to AQF3 to reflect complexity of competency	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPCEL3008 Operate the rotary vacuum filtration process

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has demonstrated the following on at least one occasion:

- accessing workplace information to identify filtration requirements
- selecting, fitting and using personal protective equipment
- checking supply and status of materials before commencing filtration process
- preparing and confirming status of equipment before commencing rotary vacuum filtration process including checking the screen or cloth condition and receipt vessels
- setting up and starting up the rotary vacuum filtration process
- monitoring rotary vacuum filtration process
- taking corrective action in response to non-conformance results
- shutting down the process after filtration operations are completed
- conducting work according to environmental and health and safety requirements.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose and principles of rotary vacuum filtration and links between rotary vacuum filtration and other process in cellar operations
- stages and changes which occur during rotary vacuum filtration and the effect of process stages on the end product
- use of filter media:
 - diatomite
 - perlite
 - cellulose
 - polyethylene

- methods used to monitor the filtration process and common causes of non-conformance and corrective action required
- routine shutdown preparation requirements
- health and safety hazards and controls in the workplace
- workplace procedures and responsibility for:
 - reporting problems
 - environmental issues and controls
 - waste handling requirements
 - recording requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a wine operations workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective equipment for rotary vacuum filtration operations
 - equipment and materials for rotary vacuum filtration process
 - products for rotary vacuum filtration
 - system for recording and reporting information
- specifications:
 - workplace procedures for rotary vacuum filtration operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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