

RISK ASSESSMENT DETAILS

RISK ASSESSMENT TITLE

VACUUM CONCENTRATORS

RISK ASSESSMENT COMPLETED BY:

Kate Millan – Health & Safety Officer

SUBJECT MATTER EXPERT:

RA NUMBER:

142MBS

VERSION:

1

VERSION DATE:

22/03/2011

REVIEW DATE:

22/03/2016

IMPORTANT NOTES

PERSONS AT RISK

Users of the vacuum concentrators

RELATED DOCUMENTATION: (list any other sources of information that relates to this risk assessment, e.g. SOPs, other Risk Assessments etc)

Equipment Operation Manuals
 Safe Operating Procedures for Vacuum Concentrators

OVERALL RISK RATING

Low - Medium

HAZARD IDENTIFICATION & RISK ASSESSMENT (use the Risk Matrix below to assess the risk)

HAZARD 1:

Biological/chemical

ASSOCIATED RISKS:

Exposure to biological/hazardous/dangerous material

MEASURES REQUIRED TO REDUCE RISK:

1. Staff/students using equipment must have instruction prior to its use.
2. Appropriate PPE must be worn at all times – gloves, lab coat and safety glasses.
3. Operating manual must be followed at all times.
4. Read the MSDS of any chemical's used prior to operating equipment.
5. Users must have Chemical Management Training.

RESIDUAL RISK (When all control measures have been implemented)

CONSEQUENCE

Moderate

LIKELIHOOD

Rare

RISK RATING

Low

HAZARD 2:

Vacuum

ASSOCIATED RISKS:

Describe associated risks with this hazard

MEASURES REQUIRED TO REDUCE RISK:

1. Staff/students using equipment must have instruction prior to its use.
2. Safe Operating Procedures/Operating manual must be followed at all times.
3. Equipment must have an interlock so that it cannot be opened during operation (where applicable).

RESIDUAL RISK (When all control measures have been implemented)

CONSEQUENCE

Moderate

LIKELIHOOD

Rare

RISK RATING

Low

HAZARD 3:

Electrical

ASSOCIATED RISKS:

Electric shock

MEASURES REQUIRED TO REDUCE RISK:

1. Equipment must have a current test tag.
2. Equipment must be maintained as per the manufacturer's recommendations.

RESIDUAL RISK (When all control measures have been implemented)	CONSEQUENCE	LIKELIHOOD	RISK RATING
		Major	Rare
HAZARD 4:			
Moving parts			
ASSOCIATED RISKS:			
Crush injuries / property damage			
MEASURES REQUIRED TO REDUCE RISK:			
<ol style="list-style-type: none"> 1. Equipment must have an interlock so that it cannot be opened during operation (where applicable). 2. Users must follow the Safe Operating procedures/operating manual for the equipment at all times. 3. Staff/students must have instruction prior to its use. 			
RESIDUAL RISK (When all control measures have been implemented)	CONSEQUENCE	LIKELIHOOD	RISK RATING
	Moderate	Rare	Low
ADDITIONAL CONTROLS AFTER REVIEW			
RISK CONTROL:			
DATE OF REVIEW:		REVIEWED BY:	
RISK CONTROL:			
DATE OF REVIEW:		REVIEWED BY:	
RISK CONTROL:			
DATE OF REVIEW:		REVIEWED BY:	
HAZARD REGISTER			
If the residual risk is high or very-high after controls have been implemented, the risk assessment must be signed off by the Head of School and transferred to the Hazard Register.			
DATE ENTERED ON HAZARD REGISTER:		HEAD OF SCHOOL SIGNATURE:	
RISK MATRIX			

Consequence

		Negligible	Minor	Moderate	Major	Severe
Likelihood	Almost Certain	M	H	V	V	V
	Likely	M	M	H	V	V
	Slight	L	M	H	H	V
	Unlikely	L	L	M	M	H
	Rare	L	L	L	M	M

Almost Certain	There is an expectation that such an event will occur.	Severe	Injury resulting in death or permanent disability.
Likely	There is an expectation that such an event could occur but not certain to occur.	Major	Injury requires extensive medical treatment, hospitalisation.
Slight	The expectation of this event occurring is between "could" and "improbable".	Moderate	Injury requires formal medical treatment e.g. treatment as an outpatient in a medical facility.
Unlikely	The expectation of this event occurring is doubtful or improbable.	Minor	Injury requires first aid.
Rare	There is no expectation that this event will occur.	Negligible	Injury requires minor first aid or results in short term discomfort e.g. headache, bruise etc.