

Product Risk Assessment	Flextool (Aust.) Pty Ltd, Brunswick, Vic.	
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Product Description	PortaPump, F03600	Model Number	PP32	Risk Assessment Date	7-May-08	Product Risk Assessment Number	012
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PRA Conducted By (insert name/s): _____ **Signature:** _____ **Date:** _____

Colin Metcalfe _____ 7-May-08

Johnson Tai _____ 7-May-08

_____ _____

General Manager (insert name): _____ **Signature:** _____ **Date:** _____

_____ _____



Consider all sides and faces of the Equipment – North, South, East, West, High & Low
Consider hazard exposure during Use – Normal and Emergency

Hazard or Injury Exposure	Identified Risk	Initial Risk			Current Controls	Residual Risk			Proposed Controls
		C	P	RR		C	P	RR	
Entanglement – Can anyone's hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags or other materials become entangled with moving parts of the plant or materials in motion?	N/A								

Hazard or Injury Exposure	Identified Risk	Initial Risk			Current Controls	Residual Risk			Proposed Controls
		C	P	RR		C	P	RR	
Electrical – <u>Can anyone be injured by electrical shock or burnt due to:</u> (a) the plant contacting live electrical conductors. (b) the plant working in close proximity to electrical conductors. (c) overload of electrical circuits. (d) damaged or poorly maintained electrical leads and cables. (e) damaged electrical switches. (f) water near electrical equipment. (g) lack of isolation contact with exposed terminals, overloaded circuits, damaged wires, water near circuits, poor insulation	(f) Water near electrical equipment - discharge fluid contacting live electrical cables	1	D	7	new product, no controls specified.	1	E	11	Include appropriate warnings in Operating instructions and apply relevant warning stickers
Slips, Trips & Falls – <u>Can anyone using the plant, or in the vicinity of the plant slip, trip or fall due to:</u> (a) uneven or slippery work surfaces. (b) poor housekeeping e.g. spillage not cleaned up. (c) obstacles being placed in the vicinity of the plant. (d) other factors not mentioned. <u>Can anyone fall from a height due to:</u> (a) lack of proper work platform. (b) lack of proper stairs or ladders. (c) lack of guard rails or other suitable edge protection. (d) unprotected holes, penetrations or gaps. (e) poor floor or working surfaces. (f) steep walking surfaces. (g) collapse of the supporting structure. (h) other factors not mentioned.	(a) Uneven or slippery work surfaces - slipping hazards caused by discharge water on floor	3	C	13	new product, no controls specified.	4	C	18	Include appropriate warnings in Operating instructions and apply relevant warning stickers
Manual Handling (Ergonomic) – <u>Can anyone be injured due to:</u> (a) frequent or prolonged reaching, bending, or stretching. (b) frequent or prolonged twisting. (c) an awkward posture is required. (d) inadequate or poorly placed lighting. (e) carrying loads over a long distance. (f) carrying a weight - over 4.5kg in a seated position, -over 16kg in a standing position, - over 55kg. (g) excessive force required pushing or pulling. (h) an awkward load due to size, shape, temp., or instability. (i) age or disability factors. (j) PPE interference.	(a) Frequent or prolonged reaching, bending, or stretching	3	C	13	new product, no controls specified.	4	C	18	Include appropriate warnings in Operating instructions and apply relevant warning stickers
	(f) carrying a weight over 4.5kg in a seated position, over 16kg in a standing position, or over 55kg				new product, no controls specified.				Include appropriate warnings in Operating instructions and apply relevant warning stickers
Suffocation – Can anyone be suffocated due to the lack of oxygen, or atmospheric contamination?	working in a confined space breathing exhaust fumes	1	D	7	new product, no controls specified.	2	E	16	Include appropriate warnings in Operating instructions and apply relevant warning stickers
High temperature or fire – Can anyone come into contact with objects at high temperatures? Can anyone be injured by fire?	Explosion - injury potential if fuel ignites	3	C	13	new product, no controls specified.	4	C	18	Include appropriate warnings in Operating instructions and apply relevant warning stickers
Temp. (thermal comfort) – Can anyone suffer ill health due to exposure to high or low temperature?	N/A								

Other Hazards – Can anyone be injured or suffer ill health from exposure to: (a) chemicals. (b) toxic gas / vapour. (c) fumes. (d) dust. (e) noise. (f) vibration. (g) radiation. (h) other factors not mentioned.	N/A							
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Measures of CONSEQUENCE

Level		People	Environment	Equipment	Production
1	Catastrophic	Death or Permanent Disability	Toxic release off-site with detrimental effects.	Huge Financial Loss (>\$1M)	>15 Days Production Lost
2	Major	Extensive Injuries / Admitted to Hospital	Off-site release with no detrimental effects OR On-site release contained with external assistance.	Major Fin. Loss (\$250K - \$1M)	10-15 Days Production Lost
3	Moderate	LTI / Medical Treatment	On-site release, requiring management involvement.	High Fin. Loss (\$10K - \$250K)	5-10 Days Production Lost
4	Minor	Minor MTI / First Aid	On-site release, immediately contained	Minor Fin. Loss (\$1K - \$10K)	1-5 Days Production Lost
5	Insignificant	No injury	No detrimental effects	Low Fin. Loss (<\$1K)	<1 Day Production Lost

Measures of PROBABILITY

Level	Description
A	Almost Certain Common or Repeating (>12 per annum) / The event is expected to occur in most circumstances.
B	Likely Will probably occur in most circumstances (<1 per month) / The event has happened on site.
C	Possible Could Occur (>1 in 10 years) / Have heard of it happening elsewhere.
D	Unlikely Not Likely (>1 in 100 years) / The event may occur at some time.
E	Rare Practically Impossible (<1 in 100 years) / Unrecorded event that may only occur in exceptional circumstances.

RA Matrix		Probability				
		A	B	C	D	E
Consequence	1	1	2	4	7	11
	2	3	5	8	12	16
	3	6	9	13	17	20
	4	10	14	18	21	23
	5	15	19	22	24	25

Risk Rating	Description	Risk Control Requirements
1 - 3	Critical	Immediate action required. Cease work until risk control strategy is in place. Control measures must be signed-off by senior management.
4 - 10	High	The risk must be eliminated or a control strategy must be in place within 48 hours.
11 - 19	Medium	Appropriate control strategy to be in place within 21 days.
20-25	Low	No action required / Attempt to reduce risk further within 12 months.

