



AUSSIE ECO-CLEAN H SERIES, F SERIES & FT SERIES COLD WATER PRESSURE CLEANER RISK ASSESSMENT

11 November 2003

MODELS:

In line with the National Occupation Health & Safety Commission's requirements the data below applies to the Aussie Eco Clean single phase electric drive cold water pressure cleaners in the following series:

BB100EK



DESCRIPTION:

Electric drive pressure cleaners designed for both hobby and professional cleaning applications.

MATERIAL CONSTRUCTION:

The machines are mounted on a heavy duty polypropylene base. A plastic cover is fitted over the pump and motor to provide protection from accidental spray. H120, H130, F Series and FT Series machines are supplied with wheels for ease of portability and manoeuvrability.

Machines can all be supplied with longer length hoses for increased operator convenience.

POTENTIAL HAZARDS:

1. Electrocution from motor and switch gear
2. Entrapment from high pressure hose assembly
3. Entrapment from power cable
4. Injury through being sprayed with high pressure water

RISK RANKING:

1. Eight
2. Fifteen
3. Fifteen
4. Thirteen

CONTROL METHODS:

1. Provide adequate insulation around cable terminals and switches. Provide adequate warning decals
2. Provide warning decals. Advise operators of availability of hose reels.
3. Provide operator warning decals
4. Place warning decals on the machine, train operators and provide adequate instructions in Operating Instructions.

CONCLUSION:

All of the machines mentioned above provide satisfactory insulation, safety warnings and protection devices for use in normal cleaning applications.

The machine is fitted with a Total Stop device that protects the operator in the event of an emergency situation. This functions as an automatic cut-out that turns the machine off when the operator releases the trigger on the gun.

Although we regard the machines as being suitable for the use by semi skilled people, there is a clear and real need for the operators to be made aware of the safety precautions and practises to be adopted whilst using the machine.

The machine is engineered and manufactured professionally and is suitable for the function it is designed for.

RISK RANKING METHOD:

Risk is the combination of the likelihood of a specific unwanted event and the potential consequences if it should occur.

PROBABILITIES

- A. Common or repeating occurrence
- B. Known to occur or "it has happened"
- C. Could occur, or "I've heard of it happening"
- D. Not likely to occur
- E. Practically impossible

CONSEQUENCES FOR PEOPLE:

1. Fatality or permanent disability
2. Serious lost time, injury or illness
3. Moderate lost time, injury or illness
4. Minor lost time, injury or illness
5. No lost time

RISK RANKING METHOD:

For each event, the appropriate probability (a letter A to E) and consequence (a number 1 to 5 is selected).

RISK RANKING TABLE:

The consequence (loss outcomes) are combined with the probability (of those outcomes) in the risk ranking table to identify the risk rank of each loss event (e.g. a consequence of 3 with a probability of B yields a risk rank of 9).

The table yields a risk rank from 1 to 25 for each set of probabilities and consequences. A rank of 1 is the highest magnitude or risk, that is a highly likely, very serious event.

A rank of 25 represents the lowest magnitude of risk, an almost impossible very low consequence event.

C O N S E Q U E N C E		PROBABILITY				
		A	B	C	D	E
	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

Signed.....

QUALITY CONTROL MANAGER

POTENTIAL HAZARD

Hazard	Yes / No	Risk	Risk Rating	Controls
Electrocution	Yes	Possible fatality	11	Warning in Operating Instructions & decals on machine
Entanglement from high pressure hose (tripping, falling)	Yes	Operator or other person's injury	13	Warning decals, hose reel option
Injury from high pressure water	Yes	Personal injury of the operator or by-standers	13	Warning decal on machine, warning in Operating Instructions, availability of safety clothing
Ergonomic lifting or movement on site	Yes	Personal Injury	8	Machine decal warning about correct lifting procedures
Unsecured machine, moves unattended	Yes	Cause of accidents and/or injury	18	Warning decal "Secure Machine during operation"
Dislodged particles in atmosphere	Yes	Sight damage	6	Warning regarding safety glasses
Slipping on wet surface	Yes	Personal injury	9	Warning decal regarding proper footwear

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