

SAFE OPERATING PROCEDURE

Task / Equipment Description: Use of air compressor and pneumatic (air powered) tools

Example picture only



Potential Hazards:

- High pressure air in storage cylinder
- Whipping of unsecured hoses, moving parts (fan belt)
- Noise
- Air injection injuries (bubbles in bloodstream)
- Electrical shock
- Accidental start up (compressor is designed to restart when it reaches minimum preset pressure)

DO NOT use this equipment unless you have been trained in its safe use and operation.

Required Personal Protective Equipment (PPE)



Appropriate footwear



Eye protection



Hearing Protection



Long and loose hair must be contained

Other PPE (describe): Close fitting/protective clothing must be worn.

ALWAYS

Wear suitable hearing protection

Lock down wheels to secure compressor once in place

Check fittings before use

Learn all controls and how to stop compressor in case of emergency

NEVER

Never use compressed air to blow off dust and/or particles from body

Never point air nozzle at another person

Never use compressed air to clean off benches or floors

Never use faulty or damaged equipment. Ensure all fan belt guards are in place.

Never connect three phase to mains power.



Never move compressor with air in the tank

Safe Operating Procedure:

1. Pre-Operation – Safety Checks:
 - Check the compressor has been maintained in accordance with the user manual
 - Check oil level in sight glass is MAX
 - Check drain plug on underside is CLOSED
 - Ensure no slip/trip hazards are present in workspaces and walkways
 - Locate the compressor in a suitable location for safe operation
 - Lock the wheels on the base of the compressor to prevent movement
 - Check that all fittings and connections are in good condition prior to starting and there are no splits in the hose
 - Check all fittings are securely connected prior to being pressurised
 - Faulty equipment must not be used. Immediately report suspect machinery to Diamond Hire.
 - Locate and ensure you are familiar with the operation of the ON/OFF starter
2. Operation – Safety Procedure:
 - Place on level surface in a ventilated area
 - Start the compressor noting pressure increase and cut-out/cut-in pressure
 - Listen for any air leaks from any flexible airlines and immediately cease if any leaks are observed
 - Adjust pressure regulator to suit work requirements
 - Check the compressor at regular intervals
 - Designed for use at 50% duty cycle with 15 minute continuous running times
 - During any work break - release the pressure, secure the trigger guard and switch off any attached device
3. Post-Operation – Housekeeping:
 - Switch off machine using the knob on the top of the pressure switch
 - Do not twist or pull on the hoses to move or store the devices.
 - Leave the machine, hose and work area in a safe, clean and tidy state and report any faults or damage to Diamond Hire
 - For Airless spray – see manual on Diamond Hire website and note below

2.17 CLEANING THE UNIT

When cleaning the gun, only rinse when the nozzle is removed and rinse at low pressure.

	When cleaning the unit with solvents, the solvent should never be sprayed or pumped back into a container with a small opening (bunghole). An explosive gas/air mixture can arise. Only use an earthed container made from metal. To earth the gun, hold it firmly on the edge of the container.
	Danger of short-circuits caused by water ingress! Never spray down the unit with high-pressure or high-pressure steam cleaners.