

Safe Operating Procedure

Air Compressor - Electric



PERSONAL SAFETY



PRE OPERATIONAL SAFETY CHECKS

- Confirm electric air compressor has current electrical inspection & testing tag;
- Ensure that leads are off the ground and connected through a RCD unit;
- Ensure no slip/trip hazards are present in workspaces and walkways;
- Locate the compressor in a suitable position 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;
- Check all fittings are securely connected prior to being pressurised;
- Ensure you are trained in the operation of any controls including emergency stop switches;
- Ensure pressure relief valve has been checked and serviced in last 12 months.

POTENTIAL HAZARDS

- Unsecured hoses whipping under pressure;
- Compressed air;
- Electricity;
- Fire.

OPERATIONAL SAFETY PRACTICES (CONTROLS)

- Start the compressor noting pressure increase and cut-out/cut-in pressure;
- Listen for air leaks from any flexible airlines and immediately report if leaks are identified;
- Adjust pressure regulator to suit work requirements;
- Check the compressor at regular intervals;
- Ensure adequate ventilation and do not operate in a closed area or confined space;
- Release air slowly when draining condensate water or depressurizing the compressor.

DO NOT:

- **Operate the compressor with a faulty safety valve or pressure gauge;**
- **Direct the air stream at the body;**
- **Bypass, modify or remove the safety valve;**
- **Connect to air tools that cannot withstand the compressor's maximum design pressure;**
- **Weld, drill or otherwise modify the air receiver tank;**
- **Operate the compressor in wet conditions.**

HOUSEKEEPING

- Switch off machine and disconnect the power supply;
- Leave the machine, hose and work area in a safe, clean and tidy state;
- Drain tank daily or after each use through valve located at bottom of tank;
- Always de-pressurize and drain the air receiver tank before storing the air compressor;
- Store the compressor in a cool, dry and shaded place and keep it covered.