Portable CO_2 Power System

OZCO2RKA Operation Manual

Cylinder not included

DO NOT attempt to operate the tool until you have read and understood all instructions and safety rules contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Save this operation manual for future reference and review it frequently for safe operation.

Table of Contents

Specifications

Operating Pressure	40 – 100psi
Cylinder Capacity	540g CO_2
Firing capacity (full cylinder):	1500 x 25mm 18 gauge C-brad nails (approx)
Method of portability	Backpack or belt clip
Cylinder lifespan	5 years
Hose length	3m
Total Weight (with full cylinder)	2.5kg
Weight of regulator only	550g
Weight of empty cylinder	815g
Weight of full cylinder	1355g

General

1. Keep work areas clean
Cluttered work areas and benches can cause accidents.

2. Consider work area environment
Do not expose your power system to high humidity or rain. Do not use your power system in damp or wet conditions. Keep the work area well lit.
Do not use your power system where there is a risk of causing fire or explosion, e.g. in the presence of flammable liquids and gases.

3. Keep children away
Do not allow children, visitors or animals to come near the work area or to touch the power system.

4. Dress appropriately
Do not wear loose clothing or jewellery, as these can be caught in moving parts. Preferably wear non-slip footwear when working outdoors.
Wear protective hair covering to keep long hair out of the way.

5. Head protection
Always use safety glasses. Use a face or dust mask whenever the operations may produce dust or flying particles. Wear ear protection whenever the sound level seems uncomfortable.

6. Do not overreach
Keep proper footing and balance at all times.

7. Stay alert
Watch what you are doing. Use common sense. Do not operate the power system when you are tired.

8. Secure work piece
Use clamps or a vice to hold the work piece; it is safer as it frees both hands to operate the power system.

9. Remove adjusting keys and wrenches
Always check that adjusting keys and wrenches are removed from the tool before operating the power system.

10. Use appropriate tool

The intended use is described in this instruction manual. Do not force small tools or attachments to do the job of a heavy duty tool. The power system will do the job better and safer at the rate for which it was intended.

WARNING!

The use of any accessory or attachment, or performance of any operation with this power system other than those recommended in this instruction manual may present a risk of personal injury.

11. Check for damaged parts

Before use, carefully check the power system for damage. Check for misalignment and seizure of moving parts, breakage of parts, damage to guards and switches and any other conditions that may affect its operation. Ensure that the power system will operate properly and perform its intended function. Do not use the power system if any parts are damaged or defective. Have any damaged or defective parts repaired or replaced by calling Australia 1800 069 486 or New Zealand 0508 069 486. Never attempt any repairs yourself.

12. Unplug the tool

Disconnect the air hose from the power system and wait for the tool to come to a complete standstill before leaving it unattended. Disconnect the air hose from the power system when it is not in use, before changing any parts of the tool, accessories or attachments and before servicing.

13. Do not abuse the hose

Never carry the power system by the air hose. Keep the hose away from heat, oil and sharp edges.

14. Connect dust extraction equipment

If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.

15. Store idle power system

When not in use, the power system should be stored upright in a cool, dry and well-ventilated area out of reach of children. Refer to "**After use and storage**" section of this manual.

16. Maintain power system with care
Keep the power system clean and in good condition for better and safer performance. Follow the instructions for maintenance and changing accessories. Keep handles and switches dry, clean and free from oil and grease.

17. If the power system requires repair, call Australia 1800 069 486 or New Zealand 0508 069 486 for assistance.
This portable CO_2 power system complies with relevant safety requirements. To avoid danger, air tools must only be repaired by qualified personnel using original spare parts; otherwise this may result in considerable danger to the user.

18. Users
This appliance is not intended for use by young children or infirmed persons without supervision. Young children should be supervised to ensure that they do not play with this appliance.

Precautions For Using CO_2

Carbon dioxide is a colourless, odourless liquid and gas. The cylinder contains CO_2 as a liquid which becomes a gas when it is expelled under pressure from the cylinder.

- Do not inhale concentrated vapour levels.
- Prevent contact with the skin and eyes.
- Do not swallow.

If any of the above occurs, seek medical attention or contact the Poisons Information Centre on telephone 13 11 26 in Australia or 0800 764 766 in New Zealand.

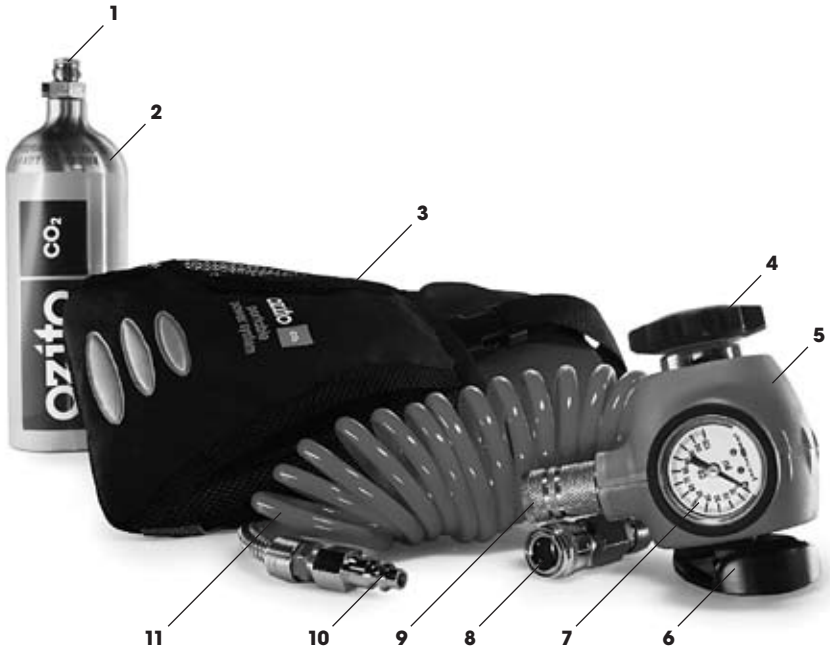
The Material Safety Data Sheet for CO_2 can be found on www.ozito.com.au/co2.

Safety Instructions For Portable CO_2 Power Systems

The Ozito CO_2 Power System has been approved for use in Australia/New Zealand and complies with AS2030.

- Do not use cylinder with any other type of gas or liquid to avoid damage to the power system.
- It is not recommended to unscrew the cylinder while the system is pressurized.
- Use only in well-ventilated areas. Do not use in confined spaces.
- Do not heat the cylinder.
- Do not expose the cylinder to extreme temperatures <-25°C or >50°C. If the cylinder is exposed excessive heat from a fire, it cannot safely be returned for refilling. It should be returned to Ozito for safe destruction.
- Avoid mechanical shock. Cylinders should not be allowed to fall onto each other, have other tools or hard objects fall onto them, be dropped onto hard surfaces or otherwise be subjected to undue mechanical shock. During transporting and use, cylinders should be secured.
- Do not leave cylinder for long periods in direct sunlight or a closed vehicle.
- Do not use any lubricant on valve.
- Use only Ozito approved cylinder attachments.
- Do not modify or dismantle the cylinder in any way.
- Keep the cylinder out of reach of children.
- Fill by weight only.
- The cylinder should only be filled by qualified personnel in accordance with AS2030.
- Store the cylinder upright in a cool, dry and well ventilated area.

Operation



1. Brass pin valve with urethane “O” ring
2. Aluminium CO_2 cylinder (not included)
3. Backpack
4. Pressure regulating knob
5. Regulator
6. Belt clip
7. Pressure gauge
8. Air hose quick-release fitting
9. Regulator quick-release fitting
10. Air hose regulator fitting
11. 3m high pressure air hose

Assembly

1. Inspect “O” ring on cylinder (1) and ensure it is correctly positioned and not damaged. To remove “O” ring, squeeze it between thumb and index finger and remove with other hand. Slip replacement “O” ring into groove on brass pin valve (1).
2. Inspect thread on brass pin valve (1) and ensure that it is not damaged.
3. Connect filled CO_2 cylinder (2) to the regulator (5).
4. Connect air hose regulator fitting (10) to regulator quick-release fitting (9).
5. Connect air hose quick-release fitting (8) to an air tool.
6. Your CO_2 power system is now ready for use.

Adjusting the regulator

1. Read the instruction manual of the selected air tool to establish the recommended operating pressure.
2. Slowly turn the pressure regulating knob (4) clockwise until the recommended pressure is indicated on the pressure gauge (7).
3. After use, turn the pressure regulating knob (4) anticlockwise to relieve the pressure. Discharge the air tool several times to relieve the system of any remaining CO_2.
4. It is not recommended to unscrew the cylinder (2) while the system is pressurized.

WARNING!
Do not exceed the recommended operating pressure range of the tool.

Changing air tools

1. Turn the pressure regulating knob (4) anticlockwise to relieve pressure.
2. Discharge the currently used air tool a few times to bleed excess CO_2 gas from the entire system. Check pressure gauge (7) to ensure reading is zero.
3. Disconnect the air hose quick-release fitting (8) from the current tool.
4. Connect air hose quick-release fitting (8) to the new air tool.
5. Adjust pressure regulating knob (4) to increase pressure to the recommended pressure for the new air tool.
6. The new air tool is now ready for use.

After use and storage

1. It is not recommended to unscrew the cylinder (2) while the system is pressurized.
2. Turn the pressure adjustment knob (4) anticlockwise to release pressure.
3. Discharge the air tool several times to relieve the system of any remaining CO_2.
4. Disconnect the air hose regulator fitting (10) and the air tool from the regulator quick-release fitting (9).
5. Unthread the CO_2 cylinder (2) from the regulator (5).
6. Store in a cool, dry and well ventilated area.

Maintenance

The Portable CO_2 Power System requires minimal maintenance under normal operation. However, periodic cleaning helps to maintain the life of the system, as well as its performance. Clean any dirt or residue from the hose and regulator fittings to ensure no dirt is entering the system. Use a damp cloth to wipe off any dirt prior to storage after each use. Do not use any solvents.

WARNING!
Do not immerse this power system into any liquid to avoid permanent damage.

Troubleshooting

Symptom	Possible Cause	Suggested Solution
1. Air tool ceases to work without any pressure adjustment	CO_2 has not been released from the cylinder.	Check that the cylinder is correctly threaded onto the regulator adaptor
2. Air tool ceases to work without any pressure adjustment	CO_2 cylinder empty	Exchange CO_2 cylinder at the nearest Bunnings store.
3. Air tool ceases to work without any pressure adjustment	Regulator frozen up	• Allow regulator to thaw out. • Slow down rate of firing of the air tool
2. Nails/staples are protruding from the working surface	Insufficient operating air pressure	Ascertain the air tool's recommended operating pressure and adjust accordingly
4. Air tool is not responding to trigger, is jammed or is leaking	Air tool maintenance issue	Refer to instruction manual of the air tool
5. Air tool is not operating after changing to another tool	Little or no pressure	Refer to paragraph "Changing air tools" (see page 8)
6. CO_2 is leaking where cylinder threads into regulator	Cylinder "O" ring is worn, damaged or missing	Replace cylinder "O" ring with a new one.

Recommended Applications

- Window, door or bathroom caulking
- Timber floor installation
- Greasing automotive, farm equipment and machinery
- Air inflation (tyres, balls, etc.)
- Woodworking and trim
- Timber and upholstery stapling.

Applications Not Recommended

Rotating air tools like impact wrenches, air hammers and ratchet wrenches, are inefficient users of compressed air. Therefore, it is recommended that the use of these tools with the Ozito CO_2 Power System is kept to a minimum as the CO_2 will be used up rapidly.

Pack Contents

1 x Regulator

1 x 3m Extendable Air Hose

1 x Carry Backpack

1 x Nitto Quick-connect male adaptor

1 x Jamec Quick-connect male adaptor

5 x Urethane “O”-Ring

6 x Air Inflation Fitting

1 x Belt Clip (fitted)

1 x Instruction Manual