

# UNIMAC<sup>®</sup>

ACM-1000cv

VERTICAL BELT DRIVEN  
OIL AIR COMPRESSOR



## User Manual

[Revision 2.0]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

The product is NOT supplied with oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate oil of the correct type before use. **Failure to add oil will void the product warranty.**

# Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be **KILLED** or **SERIOUSLY INJURED** if you do not follow instructions.



You **CAN** be **KILLED** or **SERIOUSLY INJURED** if you do not follow instructions.



You **CAN** be **INJURED** if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

## General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

## General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

## General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

## General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines **OUTSIDE** only, and far away from windows, doors, and vents.

## General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

**General Electrical Safety**

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

**General Electrical Safety**

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

**General Service Information**

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

**Child Choking Hazard!**



• **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**

- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

**Product Safety**





















- Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.
- Please read the following information carefully before operating and using the compressors.
- **WARNING! THERE ARE RISKS PRESENT IN ANY AIR COMPRESSOR AND COMPRESSED AIR SYSTEM! IF YOU FAIL TO FOLLOW THE OPERATING PROCEDURES AND SAFETY PRECAUTIONS CONTAINED IN THIS MANUAL, YOU ARE EXPOSING YOURSELF AND OTHERS TO THE POSSIBILITY OF ACCIDENTS AND INJURIES TO YOURSELF OR DAMAGE TO EQUIPMENT! BEFORE OPERATING AND MAINTAINING THE COMPRESSOR, YOU MUST READ CAREFULLY AND UNDERSTAND THIS OPERATING MANUAL!**
- These detailed instructions are given for the required safety precautions which shall be followed for the correct operation of the compressor. Before delivering the machine, clear warning labels have been attached to the places where risks are present and places requiring careful operations. These labels may not be removed, covered, or interfered with in any way.
- Before any operation or maintenance is performed on the unit, you must read and understand the operation manual.
- It is not permitted to operate the unit above its rated air discharge capacity pressure.
- Before the unit is delivered, individual protection controls have been calibrated and set correctly. Never modify or remove the safety control components of the unit.
- Never perform any maintenance procedures while the unit is operating as it contains pressurized coolants at high thermal temperatures which have the ability to cause severe injuries.
- Prior to any maintenances on the unit, the operator must confirm that:
  - The unit is stopped.
  - The internal pressure in the unit has been discharged.
  - The power supply off and is correctly isolated.
- Do not use flammable solutions to clean the compressor or its auxiliary equipment. Protection of electrical components is necessary when using water-based solutions to prevent ingress of water into electrical enclosures of the unit.
- In the event of the failure of a component it must be replaced immediately. Failure to do this may lead to additional losses.
- When determining where to set up the compressor in the shop, or when taking the air compressor to a job site, the most important consideration is access to an adequate and properly fused power supply. Also, make sure the compressor is not operating in an environment where there are any explosive, flammable or caustic fumes or gases. A clear and well-ventilated area is best for its safe operation. Place the compressor on a solid and level surface. Make sure that the hoses you attach to your pneumatic device will be unrestricted in movement and not subject to being run over by vehicles or punctured by any sharp objects in the area.

















## ACM-1000cv Vertical Belt Driven Oil Air Compressor

- Since air compressors are often used for a sustained period of time, sometimes in restricted areas, it is also best to wear ear protection to avoid long term exposure to the sound of the electric motor and compression pump.
- If you find it necessary to use an extension cord with your compressor, make sure the cord is sufficiently rated for the motor power. The extension cord must also contain an earthing wire. Never operate the compressor with a coiled extension cable. Always repair or replace extension cords when they become worn or damaged.
- Only trained and authorized personnel are allowed to operate the compressor. Prior to any operations, the manual shall be carefully read, and its contents shall be comprehensively understood.
- Never allow the unit to start in an unsafe condition; if problems occur to the unit, do not attempt to restart the unit until the fault has been corrected. The power supply shall be shut off and significant indication signs shall be positioned to alert other personnel not to attempt to restart the unit.
- Be aware that compressed air is hazardous. Only once all the compressed air is totally discharged in the whole compressor system may maintenance and service be performed on the unit.
- Routine daily service and maintenance schedules are to be adhered to. The unit shall be carefully inspected every day to check for conditions such as leakage, loose, damaged, and poorly adjusted parts, missing parts or components. If any such items are discovered refrain from starting the unit and contact your dealer.

# Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p><b>Flammable Material Hazard</b> Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p><b>Read User Manual</b> Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p><b>Use Hand Protection</b> Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p><b>Electrocution / Electrical Shock Hazard</b> High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p><b>Toxic Fumes / Dust Hazard</b> Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p><b>Explosive Material Hazard</b> Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p><b>Cutting / Amputation Hazard</b> The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p><b>Crush Hazard</b> The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Single Operator Only</b> The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p><b>Use Face Protection</b> Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p><b>Use Foot Protection</b> Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p><b>Use Eye / Ear / Head Protection</b> Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.</p>	 <p><b>Running Hazard</b> Do not run on or near the product as doing so may present a fall hazard.</p>	 <p><b>Diving Hazard</b> Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p><b>Adult Supervision Required</b> Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p><b>Skin Penetration / Puncture Hazard</b> The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p><b>Hot Surface Hazard</b> Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p><b>Flying Debris Hazard</b> Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p><b>Moving Parts Hazard</b> Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>

 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p><b>Pull Hazard</b> Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Slope / Fall Injury Hazard</b> Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p><b>"Slam Dunk" Warning</b> Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p><b>Electrocution / Electrical Shock Hazard - Outdoor</b> High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.</p>	 <p><b>Electrocution / Electrical Shock Hazard - Disconnect</b> High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p><b>Power Line Electrocution Hazard</b> High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p><b>"Kick-Back" Hazard</b> High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p><b>Winch Operator Position Hazard</b> Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p><b>Winch Lift Hazard</b> Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p><b>Cable Hazard</b> Ensure that load bearing cable is not kinked or knotted.</p>	 <p><b>Winch Cable Hazard</b> Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p><b>Winch Hook Hazard</b> Carry hook to load – do NOT throw or run.</p>	 <p><b>Flash / Blinding Hazard</b> Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p><b>Laser Hazard</b> Laser may be in use – do NOT look directly at laser or allow others to.</p>	 <p><b>Choking Hazard</b> Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.</p>



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# Operation

## Preparation Before First Use

Before using your Air Compressor, follow these steps:

1. Remove all packing materials and any protective plastic bags, zip-tie labels or tags from the compressor cylinder head or oil plug.
2. Be sure the air filter is attached to the cylinder head.
3. Make sure the drain valve under the air tank is closed.
4. **CHECK OIL IN THE CRANKCASE.** The oil level should be in the center of the oil sight gauge on the pump. Use proper compressor oil only. See figure 1 below.

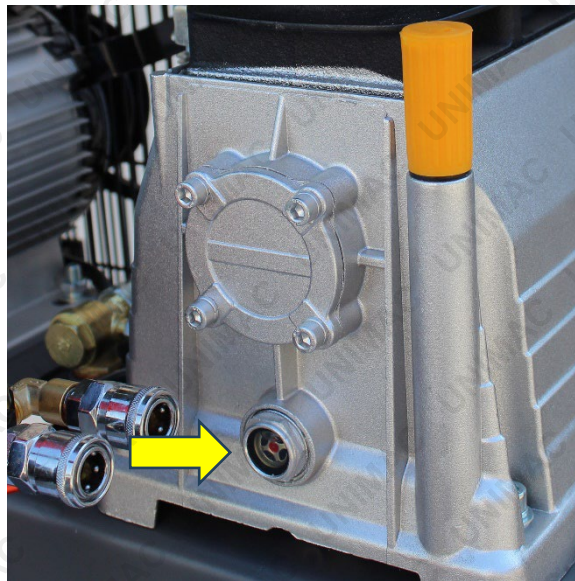


Figure 1: Oil level indicator

The machine should never be run without the correct level of oil in the sump of the pump. The oil provides lubrication to the cylinder rings which deliver the compressed air. Severe damage to the internal moving parts can occur if there is not adequate oil flow. Check the oil level frequently and change the oil on a regular schedule.

## Duty Cycle

The Air Compressor should not be operated on more than a 60% duty cycle. This means an air compressor that pumps air for over 6 minutes in one ten-minute period is considered misuse. This could mean that the air compressor is undersized for the required air demand. The maximum compressor pump time per hour is 30 minutes.

**CAUTION!** Always be aware of the duty cycle for your air compressor. Failure to operate the air compressor properly could result in overheating and motor seizure. There could also be risk of fire hazard due to overheating. Be sure to use a compressor capable of handling the air demand.

## Operating the Unit

### To start the air compressor:

Make sure the compressor switch is in the OFF position (knob with red cap above pressure gauges shown in Figure 2) before connecting the power supply.

Check the pressure gauge to see that the tank pressure climbs to approximately 8Bar then automatically turns off.

**NOTE:** If the compressor does not automatically switch off, flip the ON/OFF switch to OFF before pressure gets too high. See the Pressure Regulation.

**WARNING!** Operating this equipment has the potential for flying debris to cause eye injury. Always wear safety glasses or goggles when operating equipment. Everyday glasses or reading glasses only have impact resistant lenses, they are not safety glasses. Be certain the safety glasses you wear meet the appropriate standards.

1. Close the drain valve, shown in Figure 3, so the tank can build up pressure.
2. Double check the oil level to make sure it is at the proper height.
3. Connect the compressor to the power supply.
4. Pull the switch up to the ON position to start compressor.

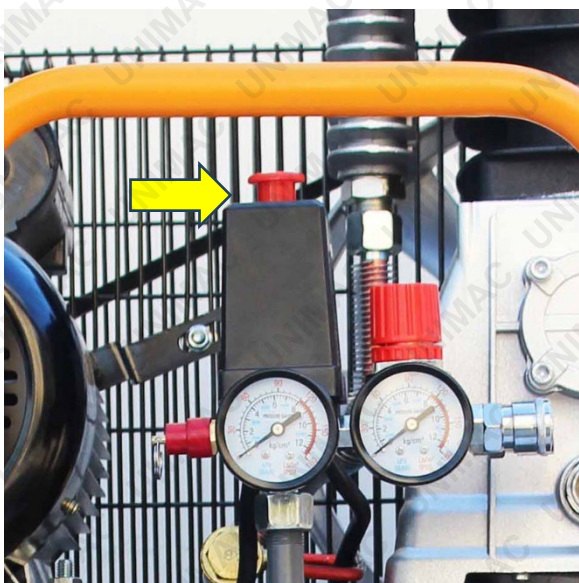


Figure 2: ON/OFF button



Figure 3: Drain valve location

## Pressure Regulation

The tank pressure is displayed on the large tank pressure gauge, and the air to be delivered to the tool is displayed on the regulator pressure gauge shown in Figure 4.

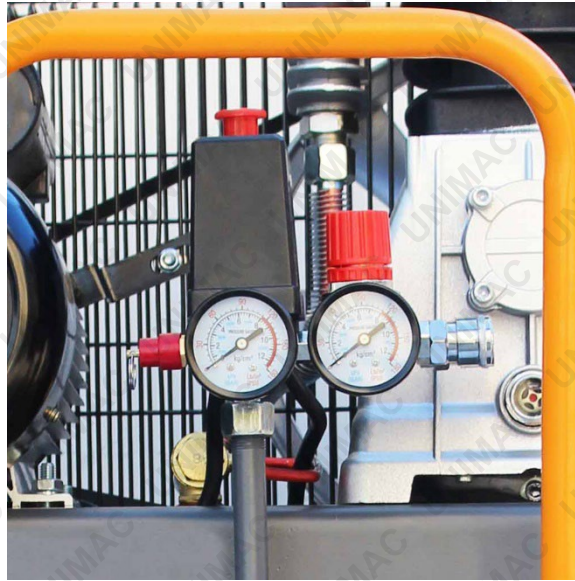


Figure 4: Pressure gauges

### To control the air delivery to your tool: (optional accessories)

1. Adjust the air control knob, shown in Figure 5, to set the pressure that will be delivered to your tool. Turn the knob clockwise to increase the pressure and counterclockwise to decrease the pressure.

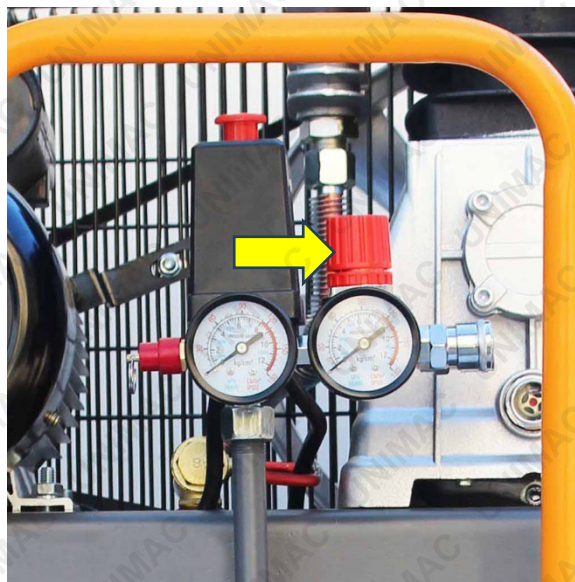


Figure 5: Air control knob

**NOTE:** The air tool that you attach to the air compressor should have a preferred pressure operating level. Set the pressure to be delivered to the tool according to this preferred level. Understand the duty cycle of the air compressor.

## Release of Pressure

There are two ways to release air from the compressor tank other than through your regulator and the use of air tools:

- The drain valve.
- The safety valve.

To release air by using the drain valve, simply turn the release nut to allow air to flow out of the tank. The drain valve is shown in Figure 3. The drain valve is also used to drain condensation that builds up in the tank.

The safety valve automatically releases pressure if the tank reaches 8Bar.

### To manually release the air in the tank by using the safety valve:

1. Locate the safety valve on the tank. The safety valve is shown below in Figure 6.

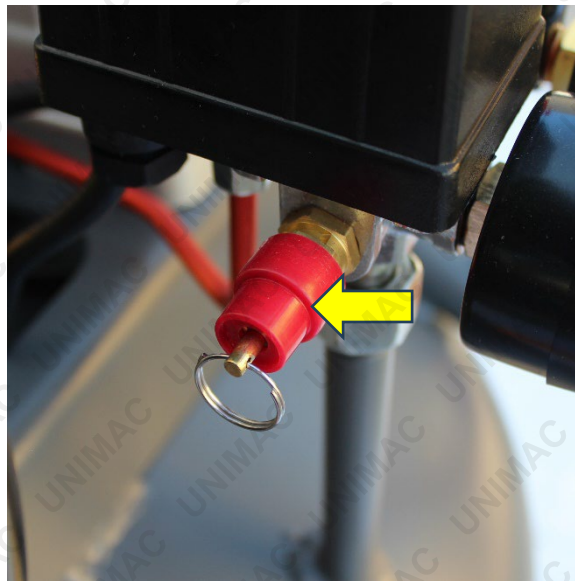


Figure 6: Safety valve

2. Pull the metal ring to bleed pressure from the tank.

**NOTE: The ring is preset to release air if the tank exceeds its maximum pressure of 8Bar. DO NOT try to adjust the safety valve!**

## Pressure Switch

The pressure regulator has been factory set for the highest quality operating performance. The pressure regulator adjusts the desired pressure range where the air compressor kicks in and out to keep the tank pressurized for the best operating performance.

**WARNING! Please refer your compressor to a qualified compressor technician for adjustments to the pressure switch. Incorrect settings can be dangerous and/or overload the motor, causing damage, the possibility of fire and loss to property.**

## Selection And Connection of Air Driven Tools

### To connect air tools to your air compressor:

1. Make sure the compressor model you use has a sufficient volume in output for the air tool you plan to connect. (Most air tools will have an air requirement stated in terms of a specific volume at a specific pressure.)
2. The compressor should put out a higher volume than the tool requires. If you are connecting multiple tools that will be used simultaneously, then the combined volume of each tool should be added together and compared to the compressor output value.
3. Connect the tool, using a good quality air line with an adequate length to reach from the compressor to the point of use.

**NOTE: Quick-connect couplers are a good option for fast and sure connection of tools and air hoses.**

Make certain the air hose will not be placed in a position where it can become constricted or cut by a sharp object.

**NOTE: Running over a hose with heavy vehicles may not cause an immediate leak, but it will shorten the life of the hose. Consideration should also be given to the type of usage. A nailer or staple gun uses air in short bursts, and it is easier for the compressor to maintain pressure. A paint sprayer or grinder tends to use a more continuous stream of air as these tools are run for longer time periods. It is always better to oversize a compressor to allow for variation in the type of usage and the number of tools to be powered. Air tools being operated with insufficient air volume will not perform their function satisfactorily.**

**WARNING! Always disconnect air hose from tools whenever not in use or while servicing! During maintenance, a tool connected to air may operate accidentally, causing serious personal injury!**

# Maintenance

**ATTENTION:** Surface corrosion will occur on metal surfaces over time and the rate of oxidation depends on factors such as proximity to the ocean and humidity or condensation of water vapour on metal surfaces. To mitigate this, WD40 can be used to remove surface corrosion then, when applied periodically, it will prevent rust from forming.

## Before Each Use

Regular periodic maintenance on your Air Compressor will ensure its optimum performance. Make a habit of inspecting the following items before each time you use the air compressor.

### Check the following items:

1. Check Oil Level! Use the sight gauge on the bottom of the crankcase to make sure the oil level is at the proper height.
2. Drain the tanks of any condensation by opening the drain valve on the bottom of the tank.

**NOTE:** Depending upon the amount of use and the weather conditions, a certain amount of condensed water may be released. For longevity of the compressor seals and the air tools you connect, it is best to keep the tank free of water. The tank is best drained if the drain valve is opened when the system is slightly pressurized. Once water has stopped coming out, you can close the drain valve.

3. Clean off cylinder head cooling fins of any dirt which might hamper air flow.
4. Check for worn or damaged cords and plugs.
5. Check for any other condition that could hamper the safe operation of the compressor.

**CAUTION!** Please refer any maintenance of Vee-belts, pressure switches, electrical components and pump to qualified compressor technicians.

## After the First 10 Hours of Use

After the first 10 working hours or 30 days, whichever comes first, perform the following maintenance:

- Replace the oil in the pump with approved compressor oil (use ISO 100 viscosity, non-detergent type, reciprocating compressor oil).
- Make sure that all the fittings are tight and re-torque the cylinder head bolts according to the table below. If you are unsure of this refer the unit to a qualified compressor technician.
- Remove the air filter foam element and rinse it out with water. Allow it to dry and re-install.
- Blow out any accumulated dirt between the cylinder cooling fins.

## Torque Ranges for Tightening Head Bolts

Model	Min Torque	Max Torque
M8	22.45Nm	27.43Nm
M10	45.28Nm	55.34Nm
M12	77.10Nm	94.23Nm
M14	123.00Nm	150.37Nm

### Weekly

If the compressor is used on a daily basis, perform the following checks each week:

- Rinse the air filter foam element in water.
- Check for loose bolts or fittings

### Every 300 Hours

After every 300 hours or 3 months of regular operation, perform the following maintenance items:

- Change the compressor pump oil. Use approved compressor oil (use ISO 100 viscosity, non-detergent type, reciprocating compressor oil).
- Rinse the air filter foam element in water.
- Check for air leaks and correct as needed.
- Clean the cylinder head fins for proper cooling.
- Check for loose bolts or fittings.

## Storage

**When storing your air compressor follow these guidelines:**

1. Set the ON/OFF button to OFF.
2. Turn the regulator counterclockwise to set the delivery pressure to zero.
3. Release the pressure of air tank lower than 0.5Bar by air tools, then disconnect air tools or accessories.
4. Drain water from the tank by opening the drain valve on the bottom of the tank.
5. Close the drain valve when all the water has been released.
6. Store the air compressor in its normal operating position in a cool and dry, protected location.

## Specifications

<b>Receiver Capacity</b>	100L
<b>Input Voltage</b>	240V
<b>Motor Input</b>	230~240V 50Hz
<b>Air Displacement</b>	370L/Min (13.0 CFM)
<b>Air Hose Fitting</b>	AU Standard Nitto quick connect couple (Does not accept Nitto barbed coupler)
<b>Free Air Delivery</b>	260L/Min (9.2 CFM)
<b>Working Pressure</b>	116PSI (8bar)
<b>Restart Pressure</b>	86PSI (6bar)
<b>IP Rating</b>	IP20
<b>Power Rating</b>	2.6kW
<b>Power Plug</b>	15A



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

