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OILLESS PORTABLE COMPRESSOR 40V (NO ACCU) POWDP7070

1 INTENDED USE

Your compressor has been designed to supply compressed air. Not suitable for professional use.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG A)

- | | |
|---|--|
| 1. Housing cover | 7. Pressure regulator |
| 2. Pressure tank | 8. ON/OFF switch |
| 3. Foot | 9. Transport handle |
| 4. Quick-lock coupling (regulated compressed air) | 10. Safety valve |
| 5. Manometer control pressure | 11. Drainage cock for condensation water |
| 6. Manometer boiler pressure | 12. Battery pack (not supplied) |

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!

Oilless portable compressor
Manual



When parts are missing or damaged, please contact your dealer.

4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

	Before use, read the handbook carefully		Warning, hot surfaces
	Wear ear guards and goggles		Danger - automatic control (closed loop)
	Dangerous voltage		Wear gloves

	<p>Ambient temperature 40°C max. (only for battery)</p>		<p>Use battery and charger only in closed rooms</p>
	<p>Do not incinerate battery pack or charger</p>		<p>Do not expose charger and battery pack to water</p>

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

5.1 Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

5.2 Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

5.4 Power tool use and care

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or sticking of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

5.5 Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

6 SPECIFIC SAFETY WARNINGS



This symbol indicates warnings to be read before using the product so as to prevent injury to the user.



Compressed air is a potentially dangerous form of energy; always take great care when using the compressor and its accessories.



Warning: the compressor may restart when power is restored following a blackout.

An ACOUSTIC PRESSURE's value of 2 m. corresponds to the ACOUSTIC POWER's value stated on the yellow label located on the compressor, minus 20 dB.

6.1 Do's

- The compressor must be used in a suitable environment (well ventilated with an ambient temperature of between +5°C and +40°C) and never in places with dust, acids, vapors, explosive or flammable gases.
- Keep the work area free. When operating, the compressor must be placed on a stable surface.
- Safety goggles should be worn when using the compressor in order to protect the eyes against any foreign bodies lifted by the jet of air.
- If possible, when using air-powered accessories, wear safety clothing.
- Always maintain a safety distance of at least 2 meters between the compressor and the work area.
- Check for correspondence between the compressor plate data with the actual specifications of the electrical system. A variation of $\pm 10\%$ with respect of the rated value is allowed.
- Insert the plug of the electrical cable in a socket of suitable shape, voltage and frequency complying with current regulations.
- Always use the handle to move the compressor.
- When using compressed air, you must know and comply with the safety precautions to be adopted for each type of application (inflation, airpowered tools, painting, washing with water-based detergents only, clinching, etc.).
- To avoid overheating of the electric motor, this compressor is designed for intermittent duty operation as indicated on the technical dataplate (for example, S3-15 means 1.5 minutes On, 8.5 minutes OFF). In case of overheating, the thermal cutout of the motor is released, automatically cutting off the power when the temperature is too high due to excess current take-off. The motor restarts automatically when normal temperature conditions are restored.

6.2 Don'ts

- Never direct the jet of air towards persons, animals or your body.
- Never let the compressor come into contact with water or other liquids and never direct the jet of liquids sprayed by tools connected to the compressor towards the compressor: as the appliance is live, this could cause electrocution or short-circuits.
- Never use the appliance with bare feet or wet hands or feet.
- Never leave the appliance exposed to adverse weather conditions (rain, sun, fog, snow).
- If this compressor is used outdoors, always remember to stow it after use in a covered or closed place
- Never use the compressor outdoors in rain or bad weather.
- Never allow inexperienced persons to use the compressor without suitable surveillance. Keep animals at a distance from the work area.
- The compressed air produced by the compressor cannot not be used for pharmaceutical, food or medical purposes or to fill the air bottles of scuba divers.
- Do not place flammable or nylon/fabric objects close to and/or on the compressor.
- Do not cover the air inlets on the compressor.
- Do not open or tamper with any part of the compressor. Contact an authorized Service Center.

7 ADDITIONAL SAFETY INSTRUCTIONS FOR BATTERIES AND CHARGERS**7.1 Batteries**

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40 °C.
- Charge only at ambient temperatures between 4 °C and 40 °C.

- Store your batteries in a cool dry place (5 °C-20 °C). Never store batteries in discharged state.
- It is better for Li-ion batteries to discharge and reload them regularly (at least 4 times a year). The ideal charge for long-term storage of your Li-ion battery is 40% of capacity.
- When disposing of batteries, follow the instructions given in the section “Protecting the environment”.
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 100 °C, sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or fire. Moreover do not dispose of the batteries in fire, explosion and/or intense burning may result.
- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:
 - Carefully wipe the liquid off using a cloth. Avoid skin contact.
 - In case of skin or eye contact, follow the instructions below:
 - ✓ Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
 - ✓ In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.



Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.

7.2 **Chargers**

- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
- The charger is intended for indoor use only.

8 CHARGING AND INSERTION OR REMOVAL OF BATTERY

8.1 **Charger indications (Fig. 1)**

Connect the charger to the power outlet socket

- Solid green: ready to charge
- Flickering red: charging
- Solid green: charged
- Solid green and red: battery or charger damaged



Note: if the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.

1. Frequently monitor the charger and battery pack while connected
2. Unplug the charger and disconnect it from the battery pack when finished.
3. Allow the battery pack to cool completely before using it.
4. Store the charger and battery pack indoors, out of reach of children.



NOTE: If battery is hot after continuous use in the tool, allow it to cool down to room temperature before charging. This will extend the life of your batteries.

8.2 Removal / insertion of battery (Fig. 2)



WARNING: Before making any adjustments ensure the machine is switched off or remove the battery pack.

- Hold the tool with one hand and the battery pack with the other.
- To install: push and slide battery pack into battery port, make sure the release latch on the rear side of the battery snaps into place and battery is secure before beginning operation.
- To remove: Press the battery release latch and pull the battery pack out at the same time.

8.3 Battery capacity indicator (Fig. 3)

There are battery capacity indicators on the battery pack, you can check the capacity status of the battery if you squeeze the button (A) Before using the machine, please press switch trigger to check if the battery is full enough for properly working.

Those 3 LED might show the status of the capacity level of the battery:

3 LED's are lit: Battery fully charged

2 LED's are lit: Battery 60% charged

1 LED is lit: Battery almost discharged

9 USE OF THE COMPRESSOR

9.1 Switching ON/OFF

To switch on the equipment, set the on/off switch (8) to position 1.

To switch off the equipment, move the on/off switch (8) to position 0.

9.2 Adjusting the outlet pressure

- Set the control pressure at the pressure regulator (7). The current control pressure is shown at the control pressure manometer (6).
- **NOTE:** the set control pressure must not exceed the maximum operating pressure of the connected compressed air tools.

9.3 Setting the pressure switch

The pressure switch is set at the factory.

- Cut-in pressure approx. 6bar.
- Cut-out pressure approx.. 8bar.



As soon as the tank pressure is built up, the motor switches off automatically.

The motor switches automatically on as soon as the tank pressure becomes too low.

9.4 Safety valve

The safety valve (10) has been set for the highest permitted pressure of the pressure vessel. It is prohibited to adjust the safety valve or remove its seal.

Actuate the safety valve from time to time to ensure that it works when required.

9.5 Condensed water

To ensure a long service life of the pressure vessel (2), drain off the condensed water by opening the drainage cock (11) during use. Check the pressure vessel for signs of rust and damage each time before using. Do not use the compressor with a damaged or rusty pressure vessel. If you discover any damage, please contact the customer service workshop.

9.6 Using one or two batteries:

- When working with one battery connected, the compressor works until the battery temperature cut-out is activated, so it may be that at that moment the battery is not completely discharged, in which case the battery must be removed to cool down and once and once the battery has cooled down, it can be reconnected to the compressor.
- When two batteries are connected to the compressor, the batteries will discharge alternately, increasing the operating time. This interaction gives the batteries enough time to cool down in between and can be used until they are completely discharged.

10 CLEANING AND MAINTENANCE**10.1 Maintenance**

Pull out the rechargeable batteries and ventilate the equipment and all connected pneumatic tools. Switch off the compressor and make sure that it is secured in such a way that it cannot be started up again by any unauthorized person;

10.2 Transport

Transport the equipment only by carrying it by the transport handle. Protect the equipment against unexpected knocks and vibrations.



Warning: if the water that condenses is not drained, it may corrode the receiver, reducing its capacity and impairing safety.



As it is a contaminating product, condensate must be DISPOSED of in accordance with laws on protection of the environment and current legislation

11 TROUBLE SHOOTING

Problem	Cause	Solution
The compressor does not start.	<ol style="list-style-type: none"> 1. No power supply. 2. outside temperature is too low. 3. Motor is overheated. 	<ol style="list-style-type: none"> 1. Check the rechargeable batteries. 2. Never operate with an outside temperature of below +5°C. 3. Allow the motor to cool down. If necessary, remedy the cause of the overheating.
The compressor starts but there is no pressure.	<ol style="list-style-type: none"> 1. The non-return valve leaks. 2. The seals are damaged. 3. The drainage cock for condensation water has a leak. 	<ol style="list-style-type: none"> 1. Have a service center replace the non-return valve. 2. Check the seals and have any damaged seals replaced by a service center. 3. Check the drainage cock and replace if necessary.
The compressor starts, pressure is shown on the pressure gauge, but the tools do not start.	<ol style="list-style-type: none"> 1. The hose connections have a leak. 2. A quick-lock coupling has a leak. 3. Insufficient pressure set on the pressure regulator. 	<ol style="list-style-type: none"> 1. Check the compressed air hose and tools and replace if necessary. 2. Check the quick-lock coupling and replace if necessary. 3. Increase the set pressure with the pressure regulator.

12 TECHNICAL DATA

Type	POWDP7070
Rated voltage	40V
Rotation speed	3000 min ⁻¹
Rated Pressure	8 bar
Tank capacity	5 l
Air debit (capacity)	36 l/min
Weight	10 kg

13 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	87 dB(A)
Acoustic power level LwA	97 dB(A)



ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

14 WARRANTY

- This product is warranted for a 36-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

15 ENVIRONMENT

Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way. Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

16 DECLARATION OF CONFORMITY



VARO - Vic. Van Rompuy N.V Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,

product : Oilless compressor
trade mark : POWERplus
model : POWDP7070

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

2011/65/EU

2006/42/EC

2014/30/EU

2000/14/EC Annex VI LwA

Measured 95 dB(A)

Guaranteed 97 dB(A)

Notified Body TÜV SÜD - DE

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN1012-1 : 2010

EN60204-1 : 2006

EN55014-1 : 2017

EN55014-2 : 2015

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Mertens Ludo

Regulatory Affairs – Compliance Manager

Certification Manager

Date : 01/06/2020