

1	APPLIANCE	3
2	DESCRIPTION (FIG. A)	3
3	PACKAGE CONTENT LIST	3
4	SYMBOLS	4
5	GENERAL POWER TOOL SAFETY WARNINGS	4
5.1	<i>Work area</i>	<i>4</i>
5.2	<i>Electrical safety</i>	<i>4</i>
5.3	<i>Personal safety</i>	<i>4</i>
5.4	<i>Power tool use and care</i>	<i>5</i>
5.5	<i>Service</i>	<i>5</i>
6	ADDITIONAL SAFETY INSTRUCTIONS	5
7	OPERATION	6
7.1	<i>Charging the battery</i>	<i>6</i>
7.2	<i>Battery capacity indicator</i>	<i>7</i>
7.3	<i>Inserting and removing the battery</i>	<i>7</i>
7.3.1	<i>To install:</i>	<i>7</i>
7.3.2	<i>To remove:</i>	<i>7</i>
7.4	<i>LED working light</i>	<i>7</i>
7.5	<i>Accessories</i>	<i>7</i>
7.5.1	<i>Sport ball needle:</i>	<i>8</i>
7.5.2	<i>Valve adaptor</i>	<i>8</i>
8	USING THE INFLATOR	8
9	CLEANING AND MAINTENANCE	9
9.1	<i>Cleaning</i>	<i>9</i>
9.2	<i>Maintenance</i>	<i>9</i>
10	TECHNICAL DATA	9
11	NOISE	9
12	STORAGE	9
13	WARRANTY	10
14	ENVIRONMENT	10

15	DECLARATION OF CONFORMITY	11
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AIR PRESSURE PUMP 20V POWDP7020

1 APPLIANCE

The appliance is intended for inflating car and bicycle tyres, and inflatable items for games, sport and leisure, but not for pumping up inflatable items with a large volume, such as inflatable boats and very large air beds.

The appliance is not intended 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. Pneumatic hose | 7. Battery release button |
| 2. Ball adapter | 8. Digital pressure gauge |
| 3. Tire valve adapter | 9. Air chuck |
| 4. Airbed adapter | 10. Hose storage area |
| 5. On/off trigger | 11. Charger (not included) |
| 6. Battery (not included) | 12. LED light |

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!

1 Air pressure pump
3 adapters

1 flexible connection
1 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:

	Warning / Danger!
	Read manual before use.
	In accordance with essential applicable safety standards of European directives.

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 ADDITIONAL SAFETY INSTRUCTIONS

- Know your inflator. Read operator's manual carefully.
- Learn its applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- Risk of bursting. Do not operate inflator to result in output pressure greater than marked maximum pressure of item to be inflated. Do not use at pressure greater than 8 Bar.
- To reduce the risk of electric shock, do not expose to rain. Store indoors.
- Inspect unit for cracks, pin holes, or other imperfections that could cause inflator to become unsafe.

- Never cut or drill holes in the inflator.
- Make sure the hose is free of obstructions or snags.
- Entangled or snarled hoses can cause loss of balance or footing and may become damaged.
- Use the inflator only for its intended use. Do not alter or modify the unit from the original design or function.
- Always be aware that misuse and improper handling of this inflator can cause injury to yourself and others.
- Never leave an inflator unattended with the air hose attached to the item being inflated.
- Do not continue to use a inflator or hose that leaks air or does not function properly.
- Always disconnect the air supply and power supply before making adjustments, servicing an inflator, or when an inflator is not in use.
- Do not attempt to pull or carry the inflator by the hoses.
- Always follow all safety rules recommended by the manufacturer of your inflator, in addition to all safety rules for the inflator. Following this rule will reduce the risk of serious personal injury.
- Household use only.
- Do not use inflator as a breathing device.
- Never direct a jet of compressed air toward people or animals. Take care not to blow dust and dirt towards yourself or others. Following this rule will reduce the risk of serious injury.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- Do not use this inflator to spray chemicals. Your lungs can be damaged by inhaling toxic fumes.
- Check damaged parts. Before further use of the inflator or air tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center. Following this rule will reduce the risk of shock, fire, or serious injury.
- Inspect tool cords periodically and, if damaged, have repaired at your nearest Authorized Service Center.
- Constantly stay aware of cord location. Following this rule will reduce the risk of electric shock or fire.
- Risk of bursting. Carefully monitor objects during inflation.
- To reduce the risk of over inflation, use a reliable pressure gauge periodically during inflation. The pressure gauge on the inflator is for reference only and is therefore not binding for exact values.
- Never leave the inflator unattended during inflation.
- Allow pump to cool for five (5) minutes after each five (5) minutes of continuous use. Never block the inflating or deflating outlets while operating.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this inflator.
- If you loan someone this inflator, loan them these instructions also.

7 OPERATION

7.1 Charging the battery

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.

- Frequently monitor the charger and battery pack while connected
- Unplug the charger and disconnect it from the battery pack when finished.
- Allow the battery pack to cool completely before using it.
- 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.



NOTE: Remove battery pack from charger stand which use your thumb or fingers, press the battery's release button in and pull the battery pack off at the same time.

7.2 Battery capacity indicator

There are battery capacity indicators on the battery pack, you can check the capacity status of the battery if you squeeze the button. 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

7.3 Inserting and removing the battery

7.3.1 To install:

- Place the battery pack in the tool. Align the rib on the battery pack with groove in the battery port.
- Make sure the latches on the battery pack snap in place and that the battery pack is secured in the tool before beginning operation.

7.3.2 To remove:

- Depress the latches in the front of the battery pack to release the battery pack and remove it from the tool.

7.4 LED working light

When working, the LED light on the base of the tool is on, which is good for nightwork.

7.5 Accessories

The supplied accessories perform a variety of functions.

The tapered adaptor can be used on smaller pinch valves to inflate small items like children's toys, which usually require the user to inflate them by blowing air into them.

The sport ball needle can be used to inflate any type of sports ball or any other item that requires an inflation sport ball needle.



NOTE: When inflating items of 10 PSI or less, inflate in short bursts and check after each burst by feel or with a calibrated measuring device to determine accurate pressure.

7.5.1 Sport ball needle:

- Insert sport ball needle into sports ball valve and inflate.
- Remove sport ball needle after inflation.



NOTE: Pressure required for most sports balls is too low for accurate reading on tool gauge.

7.5.2 Valve adaptor

Before inflating a tire with a valve, loosen the locking nut on the valve stem to inflate. Once inflation is complete, tighten the locking nut to seal the tire valve.

- Loosen the valve locking nut.
- Thread the valve adaptor onto the valve stem with the larger open end toward the wheel.
- Position the air chuck clamp in the unlock position.
- Clamp the end of the air chuck down onto the valve adaptor by pressing air chuck clamp down until it locks into place.
- After inflation, remove air chuck and tighten locking nut.

8 USING THE INFLATOR



NOTE: Improperly attached hoses or accessories can become detached under pressure and cause serious injury. Possible air leaks can cause faulty pressure readings. Make sure all connections are tightly secured.

- Install the battery pack.
- Position air chuck clamp in the unlock position perpendicular to the air hose.
- Place the air chuck on the valve stem.
- Push the air chuck down so that the threaded section of the valve stem is inside the air chuck.
- Clamp the end of the air chuck down onto the valve stem by pressing air chuck clamp down until it stops or is parallel with the air hose.
- Press "ON/Unit" button to read the current tire pressure on the gauge. Press "ON/Unit" button again to select tire pressure measurement unit from PSI, KPA, BAR, KG/CM.
- Press "+" or "-" button to adjust preset tire pressure.
 1. Long press "+" or "-" button to adjust working pressure quickly.
 2. Short press "+" or "-" button to adjust preset working pressure by 0.05BAR & KG/CM, 1 PSI, 5KPA.
- Press on/off switch to start inflating. When it reaches the preset pressure value, the device will stop working.



NOTE: To reset the tire pressure measurement unit, press "ON/Unit" to reselect after setting preset pressure value.



NOTE: Digital gauge records the preset measurement unit and value of last time operation



NOTE: After the air pump reaches the preset pressure value, the digital gauge will go off after 60 seconds, and the device will shut down automatically.



NOTE: After the battery runs out, the low power indication on the digital display will flash 10 times, afterwards the digital display will shut down immediately.



NOTE: Always re-push the on/off switch after switching battery packs, otherwise the machine will not re-start.

9 CLEANING AND MAINTENANCE

9.1 Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.



Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

9.2 Maintenance

Our machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

10 TECHNICAL DATA

POWDP7020

Rated voltage DC	20 V
Max. Pressure	8 bar
Weight (without battery)	0.85 kg
Air hose length	50 cm
Led work light	Yes
Soft grip	Yes
Automatic stop	Yes

11 NOISE

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

Acoustic pressure level LpA	76 dB(A)
Acoustic power level LwA	90 dB(A)



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

aw (Vibration):	2,3 m/s ²	K = 1.5 m/s ²
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12 STORAGE

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

13 WARRANTY

- This product is warranted as provided by law 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.

14 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.

**LI-ION**

This product contains Li-ion. To preserve natural resources, please recycle or dispose of batteries properly. Local, state or federal laws may prohibit disposal of Li-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

15 DECLARATION OF CONFORMITY



VARO – Vic. Van Rompuy N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM,
solely responsible declares that,
product: Air pressure pump
trade mark: PowerPlus
model: POWDP7020

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

European harmonized standards (including, if applicable, their amendments up to the date of signature);
EN60745-1 : 2009
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,

Ludo Mertens
Regulatory Affairs – Compliance Manager
17/12/2020, Lier - Belgium