

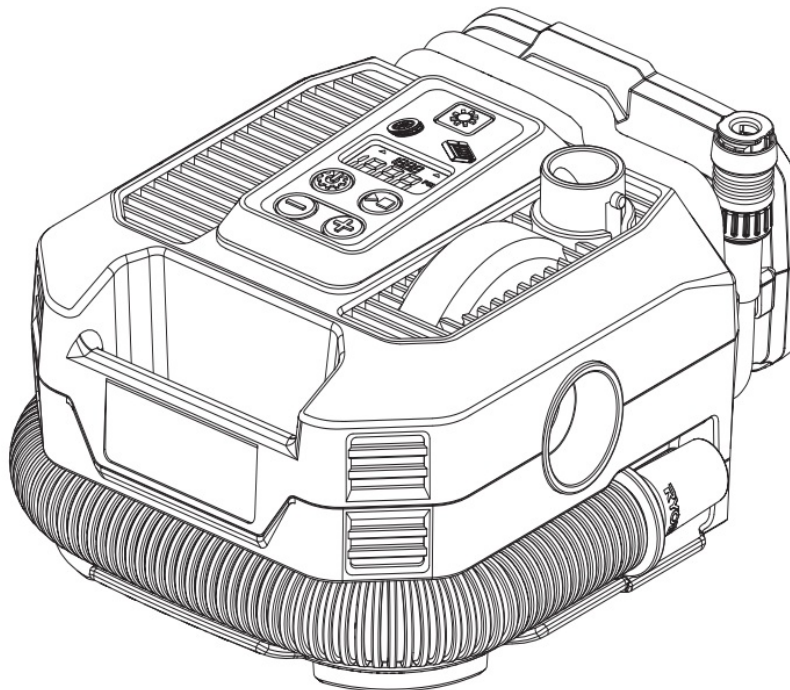


RYOBI PCL031 ONE+ Dual Function Inflator Deflator User Manual

[Home](#) » [RYOBI](#) » RYOBI PCL031 ONE+ Dual Function Inflator Deflator User Manual 

RYOBI®

PCL031 ONE+ Dual Function Inflator Deflator
User Manual



**ONE+ 18V DUAL FUNCTION
INFLATOR/DEFLATOR**

Contents

1	PCL031 ONE+ Dual Function Inflator Deflator
2	GENERAL SAFETY RULES
3	SPECIFIC SAFETY RULES
4	SYMBOLS
5	FEATURES
6	ASSEMBLY
7	OPERATION
8	MAINTENANCE
9	Documents / Resources
9.1	References

PCL031 ONE+ Dual Function Inflator Deflator

INCLUDES: Dual Function Inflator/Deflator, Presta Valve Adapter, Sports Ball Needle, Pinch Valve Adapter, Spreader Nozzle, Standard Pinch Valve Nozzle, Narrow Pinch Valve Nozzle, Accessory Bag, Operator's Manual



WARNING:

To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

GENERAL SAFETY RULES



WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.



WARNING!

When using electric appliances, basic precautions should always be followed, including the following:

WORK AREA

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Keep bystanders, children, and visitors away while operating an inflator. Distractions can cause you to lose control.
- Operate inflator in an open area at least 18 in. away from any wall or object that could restrict the flow of fresh air to ventilation openings.

ELECTRICAL SAFETY

- To reduce the risk of electrical shock, do not put inflator in water or other liquid. Do not place or store appliance where it can fall or be pulled into a tub or sink.
- Use this product only with batteries and chargers listed in tool/appliance/battery pack/charger correlation supplement 987000-432.

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating an inflator. Do not use inflator while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating

inflator may result in serious personal injury.

- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair and clothing away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the inflator in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- Eye protection is required to guard against flying fasteners and debris which could cause severe eye injury.
- Do not wear loose clothing or jewelry. Contain long hair. Loose clothes, jewelry, or long hair can be drawn into air vents.
- Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the inflator in unexpected situations.
- Do not disassemble the inflator.
- Do not operate inflator near flammable liquids or in gaseous or explosive atmospheres. Internal sparks may ignite fumes.
- Do not store your inflator in a damp or wet location. Do not store in locations where the temperature is less than 50° F or more than 100° F. Do not store in outside sheds or in vehicles.

INFLATOR USE AND CARE

- Check hoses for weak or worn condition before each use, making certain all connections are secure. Do not use if defect is found. Purchase a new hose or notify an authorized service center for examination or repair.
- Release all pressures within the system slowly. Dust and debris may be harmful.
- Do not use inflator if switch does not turn it on or off. An inflator that cannot be controlled with the switch is dangerous and must be repaired.
- Place the switch off position before making any adjustments, changing accessories, or storing the inflator. Such preventive safety measures reduce the risk of starting the inflator accidentally.
- Store idle inflators out of reach of children and other untrained persons. Inflators are dangerous in the hands of untrained users.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the inflator's operation. If damaged, have the inflator serviced before using. Many accidents are caused by poorly maintained tools.
- Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one inflator may create a risk of injury when used on another inflator.
- Keep the inflator and its handle dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your inflator. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
- Never point any inflator toward yourself or others.
- Keep the exterior of the inflator dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean the unit. Following this rule will reduce the risk of deterioration of the enclosure plastic. Do not exceed the pressure rating of any component in the system.
- Protect material lines and air lines from damage or puncture. Keep hose and power cord away from sharp objects, chemical spills, oil, solvents, and wet floors.

SERVICE

- Inflator service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury.
- When servicing an inflator, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.





SPECIFIC SAFETY RULES

- 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 150 PSI.
- 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 nozzle attached to the item being inflated.
- Do not continue to use a inflator or nozzle that leaks air or does not function properly.
- Always disconnect the battery pack 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.
- Risk of bursting. Carefully monitor objects during inflation.
- To reduce the risk of over inflation, use a reliable pressure gauge periodically during inflation.









- Never leave the inflator unattended during inflation.
- Never block the inflating or deflating outlets while operating.
- Do not use a battery pack that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- Do not modify or attempt to repair a battery pack that has been damaged.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 265° F may cause explosion.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- 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.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a hazardous situation, that, if not avoided, may result in minor or moderate injury.
	NOTICE:	(Without Safety Alert Symbol) Indicates information considered important, but not related to a potential injury (e.g. messages relating to property damage).

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYM BOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Risk of Bursting	Do not operate inflator to result in output pressure greater than marked maximum pressure of attachment. Do not use at pressure greater than 160 PSI.
	Recycle Symbol	This product uses lithium-ion (Li-ion) batteries. Local, state, or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling, and/or disposal options.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
V	Volts	Voltage
min	Minutes	Time
	Direct Current	Type or a characteristic of current
no	No Load Speed	Rotational speed, at no load
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

FEATURES

PRODUCT SPECIFICATIONS

Motor 18 Volt DC
 High Pressure Hose Length 24 in.
 High Volume Hose Length 14 in.
 GaugesDigital Readout (PSI)
 Maximum Pressure 160 PSI

ASSEMBLY



WARNING:

Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled or with damaged or missing parts could result in serious personal injury.



WARNING:

Do not attempt to modify this product or create accessories or attachments not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

If any parts are damaged or missing, please call 1-800-525-2579 for assistance.

OPERATION



WARNING:

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.



WARNING:

Always remove battery pack from the tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.



WARNING:

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.



WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this tool. The use of attachments or accessories not recommended can result in serious personal injury.



WARNING:

Do not leave items to be inflated unattended while inflator is in use. These items can burst and could cause serious injury.



WARNING:

The pressure gauge on this unit is not calibrated. Tire pressure must be checked using a reliable measuring device before driving a vehicle with tires inflated with this unit. Driving a vehicle with improperly inflated tires could result in serious injury.

NOTICE:

The inflator is not designed for continuous use. For every ten minutes of inflator use, ten minutes of cool down time is required.

NOTICE:

The inflator is capable of inflating to 160 PSI. To avoid over inflation, carefully follow instructions on items to be inflated. To avoid product damage, never exceed recommended pressures.

APPLICATIONS

You may use this inflator for the purposes listed below:

- Inflating high pressure items like motorcycle, car, and bicycle tires
- Inflating and deflating high volume items like air mattresses, rafts, and floats
- Light surface blowing

NOTE: The inflator is not designed for commercial application.

INSTALLING/REMOVING BATTERY PACK

See Figure 1, page 11.

To install:

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

To remove:

- Depress the latches on both sides of the battery pack to release the battery pack and remove it from the tool.
For complete charging instructions, see the operator's manuals for your battery pack and charger.

DUAL HOSES

See Figures 2 – 3, page 11.



WARNING:

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. The inflator has two hoses for two types of inflation. The high pressure hose is for inflating high pressure items like tires and sports balls. The high volume hose is designed for inflating or deflating high volume items like air rafts, mattresses, and floats.

NOTE: Pressure gauge and preset features are relative only to high pressure hose applications.

MODE/POWER BUTTON

See Figure 4, page 12.

Press the mode/power button to turn on the unit.

To turn off the unit, press and hold the mode/power button until the light turns off, then release the button.

AUTOMATIC SHUTOFF

The digital gauge will remain on for up to five minutes. To manually shut off, press and hold the mode/power button until the light turns off, then release the button.

DIGITAL GAUGE

See Figure 5, page 12.

The digital gauge is multifunctional, serving as a pressure gauge and monitoring the amount of pressure being applied to the item being inflated only in high pressure mode.

- Press the mode/power button to turn on the digital gauge.

The unit will start up in high pressure mode by default.

NOTE: Make sure digital gauge is set at 0 before use. If gauge reads "Err" or needs to be reset to 0, press and hold both the mode/power button and start/stop button at the same time for approximately 5 seconds.

- Press the mode/power button again to select the high volume mode. Pressing the button one more time selects high pressure mode. The selected mode is indicated by the arrow on the left or right side of the display. Modes can be selected back and forth by pressing the mode/ power button.

NOTE: After a high pressure preset has been set, the pressure setting stays in the memory until the unit is turned off. To recall the previous pressure setting after inflation, press the (+) or (–) button.

LED LIGHT

See Figure 6, page 12.

Press the light button to turn on. Press the button again to turn the light off.

INFLATING WITH THE HIGH VOLUME HOSE

See Figure 7, page 12.

The high volume hose is used to inflate high volume items, such as air mattresses, pools, and floats.

NOTE: A pinch valve adaptor comes as part of the small inflatable nozzle assembly that is attached to the end of the high volume hose. The pinch valve adaptor is used for items that have a smaller air opening or pinch valve. Insert pinch valve adaptor into pinch valve, ensuring that the tip of the adaptor is inserted past the inner "flap" inside the valve. When inflating, ensure that the tip is not blocked during inflation.

- Align the slots in the hose with the pins in the port on the top of the inflator.
- Turn the hose clockwise as far as it will turn.
- Press the mode/power button to turn on the digital gauge.
- The unit will start up in the high pressure mode by default. Press the mode/power button again to select the

high volume mode.

- Press the start/stop button to start inflating.
- When the desired pressure is reached, press the start/ stop button to stop inflating.
- Remove the hose by turning it counterclockwise as far as it will turn and remove it from the inflator.
- Store the hose in the hose wrap on the back side of the unit.

NOTICE:

Always leave the high volume hose free of obstructions and and remove the pinch valve adaptor when not in use. Overheating could occur if high volume hose is blocked.

DEFLATING WITH THE HIGH VOLUME HOSE

See Figure 8, page 12.

The high volume hose, when placed in the deflator port, can be used to remove air from inflated items.

- Place the hose inside the deflator port.
- Press the mode/power button on the side of the inflator to turn on the digital gauge.
- Press the mode/power button again to select the high volume mode.
- Press the start/stop button to start deflating.
- When the item has been deflated, press the start/stop button to stop deflating.
- Remove the hose by pulling it from the deflator port.
- Store the hose in the hose wrap on the back side of the unit.

INFLATING WITH THE HIGH PRESSURE HOSE

See Figure 9, page 12.

The air chuck on the high pressure hose can be used without adaptors to inflate tires or with any application that has a valve stem that fits the air chuck opening.

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.

- Press the mode/power button to turn on the digital gauge.

The unit will start up in high pressure mode by default.

NOTE: Make sure digital gauge is set at 0 before use.

If gauge reads "Err" or needs resetting, press and hold both the mode/power button and start/stop button for about 5 seconds.

- Press the air chuck into the valve stem, making sure it is a secure fit.

NOTE: The current air pressure inside the item will be shown on the display.

- Press the (+) or (-) button to select the needed air pressure.

Press and hold the (+) or (-) button to increase or decrease the air pressure in 5 PSI increments.

- Press the start/stop button to start inflating.

NOTE: The pressure readout on the gauge while inflating is a measurement of the fluctuating pressure between the item and the high pressure hose. To get an accurate reading, stop inflating and follow above instructions for reading the air pressure.

NOTE: Stand 10 feet away from item during inflation.

- Turn off the inflator and remove the high pressure hose.
- Press and hold the mode/power button to deactivate the display.

NOTE: Check your vehicle's manufacturer manual for the optimal air pressure for your tires.

INFLATING MANUALLY FOR HIGH PRESSURE APPLICATIONS

- Connect the high pressure hose to item to be inflated.
- Press mode/power button to select high pressure.
- Press and hold start/stop button until desired pressure is reached.
- Turn off the inflator and remove the high pressure hose.

INSTALLING/REMOVING ACCESSORIES

See Figures 10 – 13, pages 12 – 13.

The supplied accessories perform a variety of functions. The pinch valve adaptor can be used on smaller pinch valves to inflate items like floats and children's toys, which usually require the user to inflate them by blowing air into them. The sports ball needle can be used to inflate any type of sports ball or any other item that requires an inflation sports 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.

To use the sports ball needle:

- Insert the sports ball needle into the sports ball valve and inflate.
- After inflation, turn off the inflator and remove the sports ball needle and return to the onboard storage area on the battery port side of the unit.

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

The Presta valve adaptor can be used for Presta valve stems as described below. Before inflating a tire with a Presta valve, loosen the locking nut on the valve stem to inflate.

Once inflation is complete, tighten the locking nut to seal the tire valve.

To use the Presta valve adaptor:

- Thread the Presta valve adaptor into the air chuck on the end of the high pressure hose.
- Loosen the Presta valve locking nut on the Presta valve stem.
- Thread the Presta valve adaptor onto the Presta valve stem. Tighten firmly, being careful not to cross-thread.
- Inflate as described previously in Inflating With the High Pressure Hose.
- After inflation, turn off the inflator and remove the air chuck and tighten locking nut.
- Remove the Presta valve adapter and return to the onboard storage area on the battery foot side of the unit.
- Remove the high pressure hose and store in the hose wrap on the battery foot side of the inflator.

To use the spreader nozzle, standard pinch valve adapter, or the narrow pinch valve nozzle:

- Insert the accessory into the front end of the high volume hose, making sure the accessory is firmly in place.

NOTE: The narrow pinch valve nozzle is slimmer to fit the smaller holes.

To remove, hold the accessory and pull from the hose.

INFLATING WITH THE HIGH PRESSURE HOSE AND ACCESSORIES

See Figures 11 – 13, page 13.

The high pressure hose can be used with the provided adaptors to inflate a variety of items.

- To install the valve, thread adaptor, or needle into the air chuck. Inflate to desired pressure.
- To remove, unscrew the accessory from the air chuck then hold the accessory and pull from the hose.

ACCESSORIES STORAGE

See Figures 14 and 16, page 13.

When not in use, the accessories can be stored in the onboard storage located on the inflator, or in the included drawstring bag.

- Store the Presta valve adapter, sports ball needle, and pinch valve adapter in the onboard storage located on the battery foot side of the inflator.
- Store the standard pinch valve nozzle in the onboard storage on the back side of the inflator.
- Store the narrow pinch valve nozzle, the spreader nozzle, and the standard pinch nozzle in the drawstring bag.

HOSE STORAGE

See Figures 14 -15, page 13.

When inflator is not in use, the high pressure and high volume hoses can be stored in the hose wraps located on the inflator.

- Wrap the high pressure hose around the battery foot and snap the hose into the two clips for a secure fit.
- Wrap the high volume hose around the back of the inflator. Line up the center of the hose and press into the clip until it snaps into place then press the two ends of the hose until you hear a click for a secure fit.

MAINTENANCE



WARNING:

When servicing, use only identical replacement parts. Use of any other parts can create a hazard or cause product damage.



WARNING:

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.



WARNING:

Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which can result in serious personal injury.

**NOTE: ILLUSTRATIONS START ON PAGE 11 AFTER FRENCH AND SPANISH LANGUAGE SECTIONS.
OPERATOR'S MANUAL/ONE+ 18V DUAL FUNCTION INFLATOR/DEFLATOR PCL031**

To request service, purchase replacement parts, locate an Authorized Service Center or obtain Customer or Technical Support: Visit www.ryobitools.com or call **1-800-525-2579**

If any parts or accessories are damaged or missing, do not return this product to the store.

Call 1-800-525-2579 for immediate service.

Please obtain your model and serial number from the product data plate.

This product is covered under a 3-year limited Warranty. Proof of purchase is required.

MODEL NUMBER* _____ **SERIAL NUMBER** _____

*Model number on product may have additional letters at the end. These letters designate manufacturing information and should be provided when calling for service.

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TTI CONSUMER POWER TOOLS, INC.

P.O. Box 1288, Anderson, SC 29622 • Phone 1-800-525-2579
États-Unis, Téléphone 1-800-525-2579 • USA, Teléfono 1-800-525-2579

www.ryobitools.com

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Documents / Resources



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PCL031 ONE Dual Function Inflator Deflator, PCL031, ONE Dual Function Inflator Deflator, Dual Function Inflator Deflator, Function Inflator Deflator, Inflator Deflator, Deflator

References

- [REIMAGINE WITH RYOBI - RYOBI Tools](#)
- [Herramientas Eléctricas Ryobi](#)
- [User Manual](#)

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