# VEVOR®

**TOUGH TOOLS, HALF PRICE**

Technical Support and E-Warranty Certificate www.vevor.com/support

## BATTERY PRESSING TOOL
## Instruction Manual

We continue to be committed to provide you tools with competitive price. "Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and doses not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR® TOUGH TOOLS, HALF PRICE

**BATTERY PRESSING TOOL**

**MODEL: PZ-1550**

**NEED HELP? CONTACT US!**

Have product questions? Need technical support? Please feel free to contact us: **Technical Support and E-Warranty Certificate www.vevor.com/support**

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



## SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the month and year of purchase. Keep this manual and the receipt in a safe and dry place for future reference.

## IMPORTANT SAFETY INFORMATION

**In this manual, on the labeling, and all other information provided with this product:**

**This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.**

**⚠DANGER** **DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

**⚠WARNING** **WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

**⚠CAUTION** **CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided. could result in minor or moderate injury.**





## GENERAL SAFETY RULES

TO WORK IN SAFE CONDITIONS WITH THIS TOOLING, IT IS IMPERATIVE TO READ CAREFULLY THE DIRECTIONS FOR USE AND TO FOLLOW THE INSTRUCTIONS IT CONTAINS. IF YOU DO NOT RESPECT THE INFORMATION WRITTEN IN THAT INSTRUCTION MANUAL THE WARRANTY WILL BE CANCELLED.

### 1. Work area safety

a. Keep work area clean and clear. Cluttered or dark areas invite accidents.
b. This tool is not insulated; please do not use it on live conductor.
c. Please do not use or store the tool under high temperature, or one surrounding filling with corrosive fluid. Pay attention to the sealing kits becoming aging.
d. Keep children and bystander away while operating the Battery powered crimping tool. Distractions will cause you to lose control.
e. Do not use or charging the tool around flammable, explosive environment

### 2. Electrical safety

f. Make sure the plug matches with the plug seat. Never try any changes on the plug.
g. Do not put tool, battery and charger under a rainy or humid surroundings, it is easy to trigger an electric shock accident if any water goes into the electric system of the tool.
h. Do not use electric wire to carry, pull, or to draw out the plug and do not connect the "-"and "+", the damaged or twined wire may cause an electric shock accident.
i. If the charger was strongly crashed, or dropping down or any other damages happening, please do not try to repair it by yourself, send it back to the authorized service center as soon as possible. The damaged charger may cause an electric shock accident.
j. The best temperature for charging is between 10℃-40℃. Make sure the air hole





of the battery and charger are uncovered during charging.
k. Please cut off the power of the charger each time to reduce the hazard from child or the person who not expert on the tool.
l. Do not wait until the battery runs over for recharging, the recharging will caused the battery does not working anymore. Please keep the battery out of the tool to avoid the power discharge.
m. Please do not burn the battery or make it being short-circuited, it may cause explosion.
n. Do not use the waste battery otherwise it will cause the electric shock.
o. Do not disassemble the battery and charger. If any problem please contact with manufacture or agent.

### 3. Personal safety

p. Stay alert, watch what you are doing and use common sense when operating the tool. Do not use the tool while you are tired or still under the influence of drugs, alcohol or medication. A moment of inattention may result in series personal injury.
q. Use safety equipment. Always use safety equipment such as mask, helmet, safety cap, insulating shoes and etc to reduce the risk of personal injury.
r. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes jewelry or long hair can be caught in moving parts.
s. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool operation. If damaged, have the tool repaired before use. Many accidents are caused by poorly maintained power tools.
t. Please use the tool properly, the tool with correct power will do the job better and safer at the rate for which it was designed.
u. Do not put your fingers into the head of the tool during operating. Your fingers could be pinched very severely.





### 4. Service

Have your Battery Powered Pressing Tool serviced by a qualified service technician using only identical replacement parts. This will ensure that the safety of the Battery Powered Pressing Tool Kit is maintained.

## UNDERSTAND YOUR TOOL

PZ-1550 is a tool for connecting stainless steel pipe, XPAP, PEX pipe. It is powered by Li-ion, actuated by motor and controlled by MCU. With a high pressure hydraulic system, it is a perfect tool to be used in heating installations.

### 1. Specification

| | |
|---|---|
| Max. crimping force: | 32KN |
| Stroke: | 40 mm |
| Pressing range(DN, mm) | Thin-wall stainless steel pipe, copper pipe: 12-54mm |
| | Pex pipe. XPAP: 12-108mm |
| Oil Capacity: | 115 ml |
| Hydraulic oil: | Shell Tellus S2V HV15 |
| Ambient temperature | -10-40℃ |
| Battery: | DC 18V 3Ah, Li-Ion. |
| Time/crimp: | 4S( DN25-304) |
| Charging voltage: | AC 100V～240V ; 50～60Hz |





| | | | |
|---|---|---|---|
| **V Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **V 15**<br>**V 18**<br>**V 22**<br>**V 28**<br>**V 35**<br>**V 42**<br>**V 54** | **800250**<br>**800260**<br>**800270**<br>**800280**<br>**800290**<br>**800300**<br>**800310** |
| **VP Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **VP 16**<br>**VP 20**<br>**VP 25**<br>**VP 32** | **800320**<br>**800330**<br>**800340**<br>**800350** |
| **G Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **G 16**<br>**G 20**<br>**G 26**<br>**G 32** | **800360**<br>**800370**<br>**800380**<br>**800390** |
| **RF Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **RF 12**<br>**RF 16**<br>**RF 20**<br>**RF 25** | **800400**<br>**800410**<br>**800420**<br>**800430** |
| **SV Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **SV 15**<br>**SV 20**<br>**SV25**<br>**SV32**<br>**SV40**<br>**SV50** | **800440**<br>**800450**<br>**800460**<br><br>**800470**<br>**800480** |





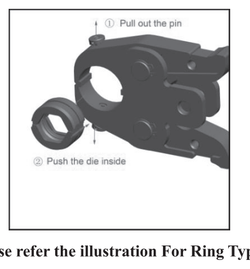
**Standard Jaws Types:**

Hexagon Type Plum Type Ring Type Economic Type

Note: When you purchase this tool you can choose any type of the jaws. PLS supply us the releative fitting standard and sizes. Different material and designed fittings pressing effect are different.

Universal Jaw is split. The jaw is with interchangeable die. It can be exchanged according to the size you want.

**Please refer the illustration For Economic Type below:**




**Please refer the illustration For Ring Type below:**





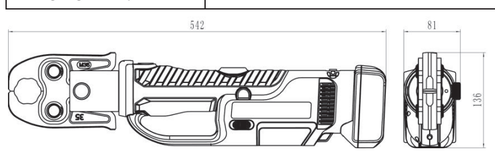
**PRESSING JAWS:**

| | | | |
|---|---|---|---|
| **TH Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **TH 16**<br>**TH 20**<br>**TH 26**<br>**TH-32** | **800010**<br>**800020**<br>**800030**<br>**800040** |
| **U Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **U 16**<br>**U 20**<br>**U 25**<br>**U 32** | **800050**<br>**800060**<br>**800070**<br>**800080** |
| **H Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **H 16**<br>**H 20**<br>**H 25**<br>**H 32** | **800090**<br>**800100**<br>**800110**<br>**800120** |
| **B Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **B 16**<br>**B 20**<br>**B 26**<br>**B 32** | **800130**<br>**800140**<br>**800150**<br>**800160** |
| **M Type** | | | |
| | **Pressing jaw ( √ )**<br>**Universal Jaw+ Interchangeable die ( √ )** | **M 12**<br>**M 15**<br>**M 18**<br>**M 22**<br>**M 28**<br>**M 35**<br>**M 42**<br>**M 54** | **800170**<br>**800180**<br>**800190**<br>**800200**<br>**800210**<br>**800220**<br>**800230**<br>**800240** |





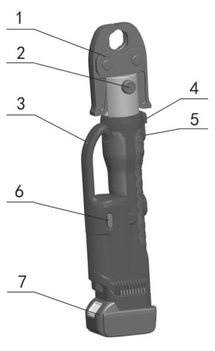
| | |
|---|---|
| Charging time: | Approx.1 hours |
| Net weight: | 3.9kg( without jaw) |
| Size: | 542x 136x 81mm |
| Accessories: | |
| Battery: | 2 pcs |
| Charger: | 1 pc |
| Sealing ring of cylinder: | 1 set |
| Sealing ring of safety valve: | 1 set |







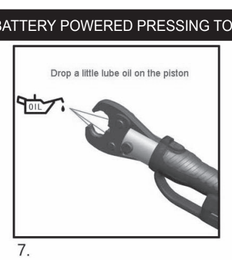

**2. Description of components:**




| Parts No. | Description | Function |
|---|---|---|
| 1 | Jaw | For pressing, interchangeable jaw |
| 2 | Fixed pin | For fixing jaw |
| 3 | LED | For lighting |
| 4 | LED indicator | For indicating the operating condition and battery discharging situation. |
| 5 | Trigger | For starting operation |
| 6 | Retract button | For manual retracting the piston in case of an incorrect operation. |
| 7 | Battery | For supplying power, rechargeable Li-ion（18V）. |








7.

8.

**Special suggestion:**

the

The tool is controlled by one key. Press the trigger to start working; Piston comes back automatically after finish pressing. Losing the trigger means stop forcing pressure. Press retract button, piston fully comes back.

**⚠CAUTION**

1) This tool should not be knocked at any part. It is necessary to inspect the tool before the operation to eliminate adverse factors (damage, aging, lacking of spare parts, inaccurate calibration, or locking) which may harm the tool. It must be stopped if any problem happened till the problem is solved.
2) Don't disassemble the stop screw in the head. It is used for stopping head dropping out/. Don't use the jaw if it is wearing.
3) During pressing, the active ram pin should be fully inserted into the head to prevent it sliding out.
4) During pressing, the annular groove of the pipe with O-ring inside is positioned in the annular groove of the jaws and the moving part is approaching the compression point.
5) Make sure that all the parts are clean without any oil, dust, especially on the handle and control parts, to avoid the tool drop easily during the operation.
6) The built-in relief valve was strictly tested; User mustn't adjust pressure by himself. If pressure is not enough, it should be adjusted by the expert serviceman.

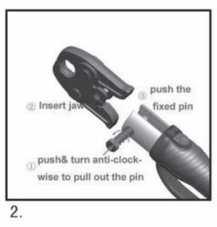
Do not put your fingers into the head of the tool during operating. Your fingers could be pinched very severely.



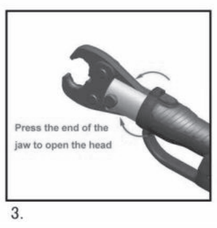


### 2. Usage of the tool

1.




2.




3.

4.

5.

6.





### 3. Function description

MCU –automatically detect the pressure during operation and provide Security protect, shut off the motor and reset automatically after operation.

Auto reset- Release the pressure automatically, retract the piston to the starting position when reached the max output.

One key control- press the trigger to start working, loosing the trigger means stop forcing pressure, piston stop moving.

The unit is equipped with a double piston pump which is characterized by a rapid approach of the die towards the connector and a slow crimping motion.

Suspend—finish working or withdraw the hand from the trigger or any accident happened, the device inside of the tool can stop power supply.

One significant sound will be heard and a red display flashes if any error occurs or lower power being.( Ref. table 1)
Per time pressing on the trigger, the LED will lighting for 20 s.

The overall structure is compact with human body human engineering design. Antiskid rubber in the handheld part and the optimization designed emphasis make the operation more easy

High-performances Li-ion battery in strong power supply, No discharge memory effect, Ultra lower power consumption standby design keep the tool 6 months storage, meanwhile over discharge device prolong the life span of the battery.

Micro computer control system with the feature of self-pressure detecting, double protection during operation, counting and realize the exchange between computer with data by the converter.





TABLE 1 Signal& Implication

| Series No | LED | Status | Instruction | What it means |
|---|---|---|---|---|
| 1 | green☀ | Flash twice | Switch on( plug in) | Self-checking, tool in normal |
| 2 | green☀ | Light normally on | Startup status | In working order |
| 3 | red☀ | Continuously flashing | Cannot force& relief pressure | ①Pull out plug and plug in to restart tool ②Need maintain |
| 4 | green☀ | Flash 3 times X3 | Reminder of maintenance after 30000 times pressing | Contact manufacturer or dealer to correct& maintain |
| 5 | red☀ | Light normally on | Compulsory maintenance and unlock | Same as series 4 |
| 6 | white☀ | 30s delay | lighting | In working order |

## OPERATING INSTRUCTION

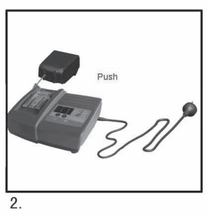
**Carefully check shell of the charger and battery and the tool. Also the head of the tool, connection of the battery etc. to assure safety.**





### 1. Charging

1.




2.

3.

4.

The detail of the charging information, please refer the manual (MANUAL FOR CHARGER)

**⚠CAUTION**

**The battery can be used for hundreds of times, when the life span reduced obviously, change to a new battery please.**

Please charging the battery in time to avoid it to be used up absolutely; otherwise it will become useless forever. If the battery not be used for a long time, it will discharge automatically, so take out the battery from the tool and make sure to charge it one time per/each quarter.