



# Hatsan TactAir Volt

## Dual-Power Portable Compressor



# Operation Manual




# INTRODUCTION

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## Thank you for choosing the Hatsan Volt Dual-Power Portable PCP Air Compressor!

Always exercise caution when operating this compressor. It will allow you to fill your PCP airguns with ease. Please read the entire manual very carefully before use. Any damage or injury resulting from misuse or incorrect handling is the sole responsibility of the owner and/or operator.

This symbol  marks warnings and cautions in this operation manual. Carefully follow them for your own safety and the safety of others.

### Warning!

1. Use only in a well-ventilated area.
2. Do not operate in an area where contaminants can be drawn into the compressor.
3. Do not operate in extremely dusty or marine environments.
4. Do not operate near smoke or an open flame.
5. This compressor generates pressurized air, heat, and noise. Eye, skin, and ear protection are recommended during use.
6. The compressor should not be disassembled for any reason, otherwise serious damage/injury/death may be caused to you or others.
7. Disassembly of this compressor can result in leaks, damage, and will void your warranty.
8. Do not transport or place this compressor into a storage location while it is pressurized or is hot after running. Depressurize and allow to cool before storing or transporting.
9. Use only approved filters, hoses, fittings, and accessories. It is your responsibility to check for leaks before using to fill (see instructions later in this manual).
10. This compressor is designed to produce compressed air only. Do not attempt to feed other gasses or pressurized air through for compression. NO OTHER GAS OR GAS COMBINATION CAN BE USED.
11. Failure to follow instructions and heed warnings may result in damage, serious injury, and/or death.

This compressor has a maximum operating pressure of **4500 PSI (310 BAR)** and a maximum operating temperature of **195 Degrees Fahrenheit**. Do not allow the machine to operate above these conditions.

\*Allow the compressor to cool back to ambient temperature after each fill cycle.\*

## WHAT’S IN THE BOX?

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- Hatsan Volt Dual-Power Portable PCP Compressor
- Power Connection Cables
- Fill Whip w/ Inline Moisture Filter
- Test Plug
- Spare Filter Media
- Spare Seal Kit
- Operation Manual

# BEFORE YOU BEGIN

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## CAUTION

- This compressor is not intended to produce breathable air.
- This portable compressor is not intended to fill volumes above 1000cc (1L) at a time or pressures above 310 BAR (4500 PSI). Runtimes should be limited to 30-minute intervals.
- To reliably produce clean air, the filter media must be monitored on a regular basis and changed when necessary. Filter life will vary due to many factors, including but not limited to: humidity, temperature, purge frequency, and cycle times.
- Wear safety glasses when operating this equipment.
- Always monitor the compressor while it is running. Never let it run above its maximum operating pressure or temperature.
- DO NOT leave this compressor running while unattended, and NEVER allow it to operate above 310 BAR / 4500 PSI for any reason.
- Use caution when purging air from the system. Loosen the vent screw slowly. The escaping air can cause damage.
- Noise from purging may be loud, especially if you are in a small space. Hearing protection is recommended while the compressor is operating.
- When filling a reservoir, it can become very warm to the touch. Refrain from holding the airgun or reservoir during the filling process.
- Parts of this compressor can become hot enough to cause burns. Do not operate the compressor without all its protective panels in place, and do not touch the ventilation openings or handle the compressor at any time during or immediately after operation. It is advisable to allow the compressor to cool back to ambient temperature before handling or moving after it has been used.

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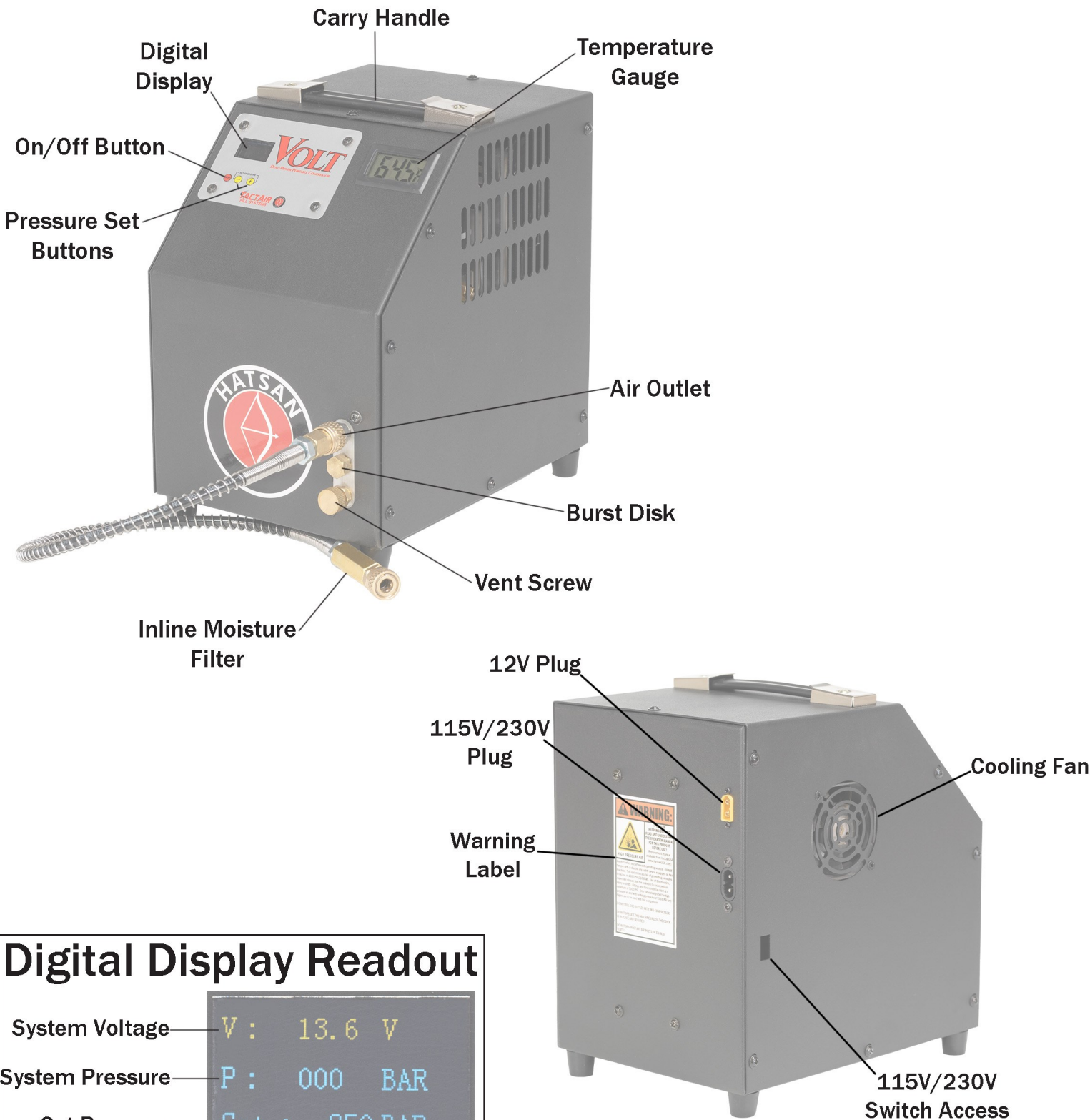
# 1. POWER REQUIREMENTS

Power Source	Power Source Connection	Fuse Size
12-14V DC	Alligator Clamp to Yellow Connector	40A
115V AC Outlet	Wall Plug to Black Connector	7.5A
230V AC Outlet	Wall Plug to Black Connector	4A
Additional Information		
Flow Rate	0.25 CFM (0.007 m³/min)	

NOTE: The fuse size listed is the recommended size for a dedicated inline fuse.  
If using a fused power source, verify that it is capable of handling the indicated amperage in addition to any other existing loads!

⚠ WARNING: DO NOT OPERATE THIS COMPRESSOR IF THE SYSTEM VOLTAGE IS BELOW 12V!

# 2. PARTS OF YOUR COMPRESSOR





### 3. INITIAL SETUP INSTRUCTIONS

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It is recommended that you follow these initial setup instructions before using your compressor for filling. Failure to do so may result in poor performance or premature breakdown.

1. Select a suitable space for your compressor to be unpacked.
2. Carefully remove your compressor and other contents from the box.
3. Visually inspect the compressor for any shipping damages before continuing onto the next steps.
4. Locate the brass vent screw and install it into the threaded opening on the front of the compressor.
5. Attach the fill whip to the compressor’s quick disconnect outlet on the front side of the compressor, above the vent screw and burst disk.
6. To power the compressor, first decide whether you will be using a 115VAC/230VAC or 12VDC power source. The AC power wire is black and will be plugged into the black terminal on the back of the compressor. The 12VDC power cables are red & black, and will be plugged into the yellow terminal on the back of the compressor. Plug the selected cable into the compressor.
7. If using AC power, first verify that the AC voltage selector switch is set to match your wall outlet voltage. Plug the other end of the power cable into a wall outlet that can support the rated amperage listed on the previous page.
8. If using 12VDC, attach the **BLACK** cable clamp to the **NEGATIVE** battery terminal and the **RED** cable clamp to the **POSITIVE** battery terminal.
9. The Digital display will illuminate and show system voltage. Operating voltage is 12-14V.

### 4. FIRST RUN & LEAK TEST

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Follow the steps below prior to using the compressor to fill any reservoir, before use after storage, or any time you suspect there may be a pressure leak.

1. Connect the corresponding power cable to your compressor, then the power source, being careful to connect the terminals to their corresponding polarity (if using 12VDC). If using AC power, the internal power supply’s cooling fan will immediately turn on.
2. The compressor’s default shut-off pressure is 250 BAR. This is a suitable test pressure. Install the test plug into the end of the fill whip, and verify that the collar has locked to secure it in place.
3. Push the red ON/OFF button on the control panel to begin filling. The high speed fan will immediately begin running. ⚠️ **WARNING: DISCONTINUE USE IF THE FAN DOES NOT TURN ON!**
4. The compressor will stop running once it has reached the set pressure and display a message confirming that it has finished filling.
5. Without venting the system, listen for a hissing or whistling sound along the fill whip and around the vent area, which will indicate a leak. Mark or record the location of any leak discovered. You may disconnect power to shut off the internal fans so that leaks can be heard more easily.
6. Loosen the vent screw on the front of the compressor in order to depressurize the system.
7. If a leak is found, tighten any loose fittings and/or replace any damaged fittings, seals, or hoses. If a leak is determined to be inside the compressor, contact HatsanUSA for service.

- Contact HatsanUSA for service and/or replacement parts at [Service@HatsanUSA.com](mailto:Service@HatsanUSA.com).

# 5. COMPRESSOR FILL OPERATION

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Follow these instructions to for filling your airgun or reservoir.

1. Connect the corresponding power cable to your compressor, then the power source, being careful to connect the terminals to their corresponding polarity (if using 12VDC). If using AC power, the internal power supply's cooling fan will immediately turn on.
2. The compressor's default shut-off pressure is 250 BAR. Use the yellow (+) or (-) buttons to adjust shut-off pressure to your desired fill pressure. ⚠️ **WARNING: NEVER FILL AN AIRGUN / RESERVOIR ABOVE ITS INDICATED FILL PRESSURE!**
3. Attach your fill probe to the end of the fill whip, and verify that the collar has locked to secure it in place.
4. Insert the fill probe fully into the airgun's fill port.
5. Push the red ON/OFF button on the control panel to begin filling. The high speed fan will immediately begin running. ⚠️ **WARNING: DISCONTINUE USE IF THE FAN DOES NOT TURN ON!**
6. Monitor the airgun's / reservoir's built in gauge if equipped to verify the pressure does not exceed that of the operating pressure of the device.
7. The compressor will stop running once it has reached the set pressure and display a message confirming that it has finished filling. The display will retain this message until the system has been vented. The cooling fan will continue to run for 2 minutes after the compressor has reached its fill pressure.
8. Loosen the vent screw on the front of the compressor to depressurize the fill whip.
9. Once the air has been vented, the system voltage and pressure information will be displayed once again. The fan will continue to run until the 2-minute time is complete, or until the ON/OFF button is depressed again. ⚠️ **CAUTION: IT IS RECOMMENDED TO ALLOW THE COOLING FAN TO RUN UNTIL IT SHUTS OFF AUTOMATICALLY TO PREVENT OVERHEATING!**
10. Remove the fill probe from your airgun.

**NOTE:** It is not recommended for this compressor to operate more than 30 continuous minutes. After this time period, allow at least 30 minutes for the compressor to cool down to ambient temperature. Overuse will result in excessive heat and moisture generation, and will lead to premature wear and/or failure.

# 6. MAINTENANCE

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**This is a low-maintenance product, however, it is not “maintenance-free”. Proper use and maintenance of your Volt Compressor is critical to its longevity. Failure to properly maintain your compressor will result in premature failure, and may void your warranty.**

- Use only approved filters, hoses, fittings, and accessories. It is your responsibility to check for leaks before using to fill.
- To reliably produce clean air, the filter must be monitored on a regular basis and changed when necessary. Filter life will vary due to many factors, including but not limited to: humidity, temperature, purge frequency, and cycle times.
- Parts of this compressor can become hot enough to cause burns. Do not operate the compressor without all its protective panels in place, and do not touch or cover the ventilation openings or handle the compressor at any time during or immediately after operation. It is advisable to allow the compressor to cool before handling or moving after it has been used.

## Leak Checks

- Perform a System Leak Test every 30 hours of runtime or every six months – whichever occurs first.
  - Additionally, perform a System Leak Test any time the compressor is unused for more than three months.

## Filters and Desiccant

- Replace the cartridge filter and/or desiccant media every six months or anytime moisture begins to be expelled from the fill whip.
- An additional inline filter may be desired when operating in very humid environments, or simply as additional moisture protection for your airguns.
- An optional inline filter is available from HatsanUSA, which can be filled with desiccant to decrease the amount of moisture transferred though the fill whip.

## Voltage Selection

- The AC voltage input selector switch is accessed through an opening on the left side of the compressor body. The default input voltage selection is 115V AC for standard US household outlets.
  - Leave or place the switch in the UP position for use with 115V AC outlets.
  - Place the switch in the DOWN position for use with 230VA AC outlets.



## 7. Troubleshooting

Problem	Possible Cause(s)	Solution(s)
Digital display does not turn on	No power to compressor	Verify power source has enough voltage/amperage to power the system.
	Supply fuse is blown	Replace the fuse.
	Incorrect AC Voltage Selection	Verify the AC voltage selector position matches the input voltage.
Compressor motor does not start	No power to compressor	Verify power source has enough voltage/amperage to power the system.
	Supply fuse is blown	Replace the fuse.
	Pressurized system	Release pressure by opening the bleed valve until system is depressurized.
System does not build pressure	Bleed valve is open	Close bleed valve by turning the screw clockwise until is it hand tight.
	Fill whip is not connected	Insert test plug into fill whip or connect whip to reservoir.
System takes a long time to fill or build pressure	Bleed valve is open or partially open	Close bleed valve by turning the screw clockwise until is it hand tight.
	Leak in system	Perform System Leak Test to locate the leak.
Operating temperature too high	Poor air circulation	Make sure system fans have adequate airflow and are not blocked.
	Compressor overheating	Stop and allow the compressor to cool before continuing.
	Fan not running	Make sure system fan is turning. Contact HatsanUSA for repairs if it does not turn on.
Temperature gauge does not read	Batteries are bad	Replace the 2 AG13/LR44 Batteries in the temperature gauge.

If you experience a problem that is not covered by this troubleshooting guide, or if you continue to have the same problem, discontinue use and contact HatsanUSA ([Service@HatsanUSA.com](mailto:Service@HatsanUSA.com) or (877)-278-4448 x201) for assistance.

## 8. WARRANTY AND SERVICE

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**One Year Limited Warranty** – The Hatsan Volt Air Compressor is warranted to the original retail customer for one (1) year from the date of purchase. A copy of the original purchase receipt is required for any warranty repairs. This warranty is not transferable.

**Warranty Claims and Repair** – Use the Customer Service Form on our website ([www.hatsanusa.com](http://www.hatsanusa.com)) to file a repair or return request. This form is available under the “Contact Us” tab at the top of our website. You can also call HatsanUSA, Inc. at **(877) 278-4448 x201**. **Proof of purchase must accompany all warranty claims.**

**Implied Warranties** – Any implied warranties, including merchantability and fitness for a particular purpose, are limited to the duration of One (1) year from date of retail purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. To the extent any provision of this warranty is prohibited by federal, state, or municipal law which cannot be preempted. It shall not be applicable this warranty gives you specific legal rights and you may also have other rights which vary from state to state and country to country.

### What Is Covered

- Repairs required due to manufacturing defect – including parts and labor
- Return shipping of the repaired or replaced product back to the consumer

### What Is NOT Covered

- Repairs required due to abuse, misuse, neglect, or failure to perform proper maintenance
- Damages resulting from the use of incorrect supply voltage
- Consumables or components that are subject to normal wear
- Shipping damage or damages resulting from drops, impacts, or natural disasters
- Any component that has been modified in any way
- Consequential or incidental damages or expenses
- Property damage

### Warranty Exceptions

*This warranty will become void for any of the following reasons:*

- Incorrect voltage or polarity has been applied to the compressor and/or power supply
- The compressor has been used for any purpose outside of its indicated function
- The compressor has been operated outside of the provided operating temperature and pressure limitations
- The compressor has been disassembled and improperly reassembled
- The compressor has not been maintained
- The compressor has been equipped with unapproved, non-original parts
- The compressor has suffered damage due to mishandling
- The compressor has been improperly stored
- The compressor has been abused or misused in any way

### Contact HatsanUSA:

**Web:** <https://hatsanusa.com/pages/customer-service-form>  
**Phone:** **(877) 278-4448 x201**  
**Email:** [Service@HatsanUSA.com](mailto:Service@HatsanUSA.com)  
**Mail\*:** **HatsanUSA, Inc.**  
**PO Box 576**  
**Bentonville, AR 72712**

**\*Note:** DO NOT send packages or returns to this address. Return address will be provided upon distribution of RMA number.





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[www.HatsanUSA.com](http://www.HatsanUSA.com)

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