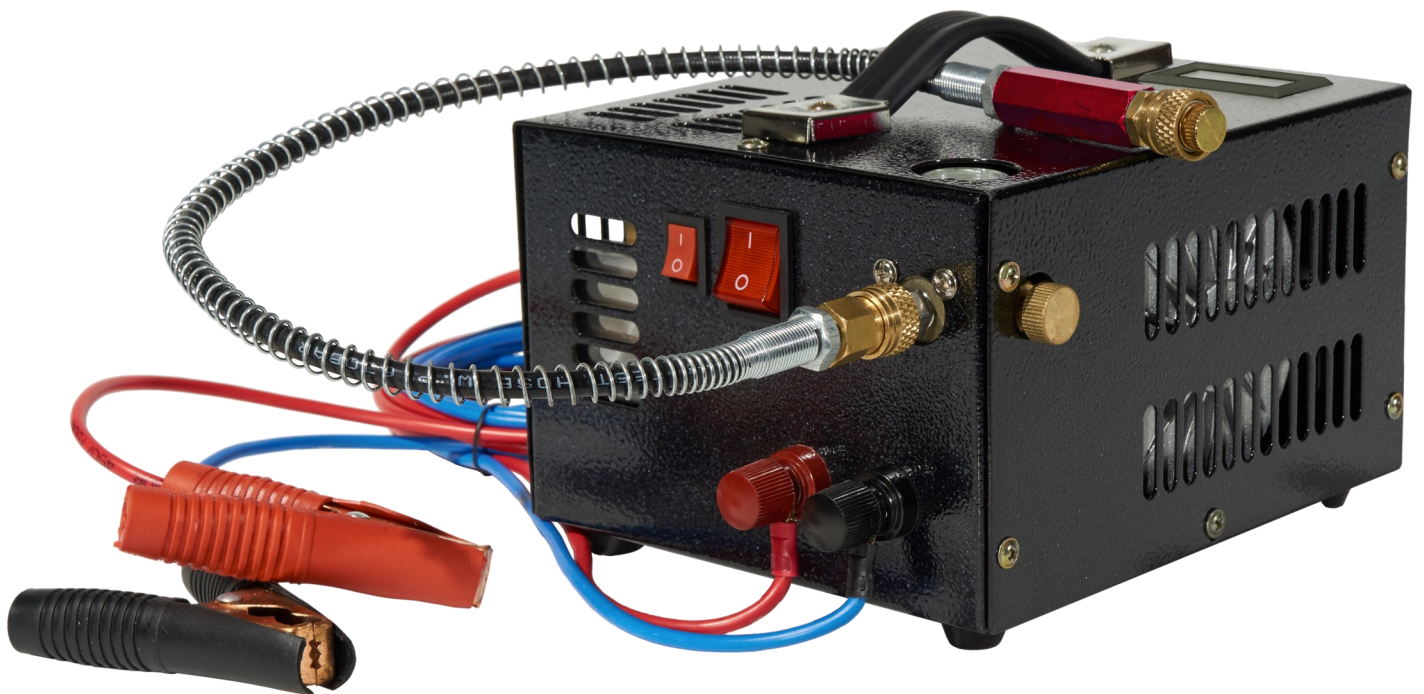




Hatsan Spark PCP Compressor

Portable Air for PCP Airguns




Operation Manual

INTRODUCTION

Thank you for choosing the Hatsan Spark 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 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 it to cool back to ambient temperature before running again.

WHAT’S IN THE BOX?

- Hatsan Spark 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

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).
- 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 before handling or moving after it has been used.

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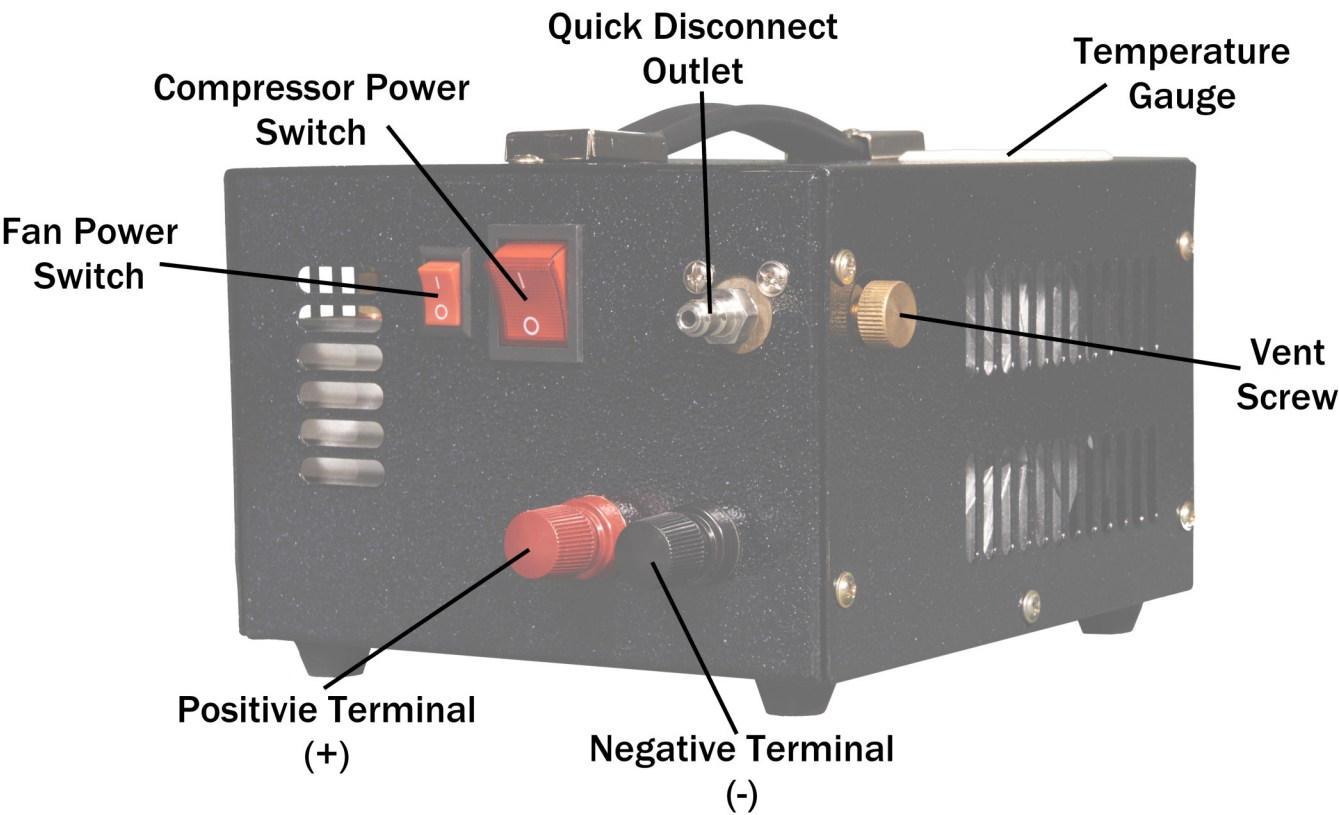
1. POWER REQUIREMENTS

Power Source	Power Source Connection	Fuse Size
12V DC Battery	Ring Terminal to Alligator Clamp	50A
110V AC to 12V DC Power Supply*	110V Wall Plug to Power Supply	7.5A

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!

*Optional 12V DC Power Supply is available from HatsanUSA

2. PARTS OF YOUR COMPRESSOR




3. INITIAL SETUP INSTRUCTIONS

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 right side of the compressor.
5. Attach the fill whip to the compressor’s quick disconnect outlet on the front side of the compressor, beneath the pressure gauge.
6. To connect power, connect the positive cable’s ring terminal to the positive power stud and secure with a provided washer and the matching RED nut. Follow the same procedure for the negative cable connection. A RED or YELLOW cable should be used for the positive connection, and a BLACK or BLUE cable should be used for the negative connection.
7. Connect the clamps to their corresponding battery terminal
8. If using a 12V power supply, connect the power supply’s cables to their corresponding terminals on the compressor.

4. FIRST RUN & LEAK TEST

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 power cables to your power source, being careful to connect the terminals to their corresponding polarity (Positive to Positive, Negative to Negative). If using a power supply, plug in and/or switch it on.
2. Switch the fans on using the smaller switch on the front panel - labeled “FAN”.
 **WARNING: DO NOT OPERATE THE COMPRESSOR UNLESS THE FANS ARE RUNNING!**
3. Install the test plug into the end of the fill whip, and verify that the collar has locked to secure it in place.
4. Switch the compressor on using the larger switch on the front panel - labeled “COMPRESSOR”.
5. Carefully monitoring the gauge, allow the system to pressurize to 3000-4000 PSI, then switch the compressor off. AFTER turning off the compressor, switch the fan off.
6. 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.
7. Loosen the vent screw on the right side of the compressor in order to depressurize the system.
8. If a leak was previously 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.

5. COMPRESSOR FILL OPERATION

Follow these instructions to for filling your airgun or reservoir.

1. Connect the power cables to your power source, being careful to connect the terminals to their corresponding polarity (Positive to Positive, Negative to Negative). If using a power supply, plug in and/or switch it on.
2. Switch the fans on using the smaller switch on the front panel - labeled "FAN".
⚠ WARNING: DO NOT OPERATE THE COMPRESSOR UNLESS THE FANS ARE RUNNING!
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. Switch the compressor on using the larger switch on the front panel - labeled "COMPRESSOR".
6. When the pressure gauge on your airgun indicates that it is full, or has reached the desired fill pressure, switch the compressor off. You may leave the fans running to speed cooling if you plan to fill another airgun or reservoir. **⚠ WARNING: NEVER FILL AN AIRGUN / RESERVOIR ABOVE ITS INDICATED FILL PRESSURE!**
7. Loosen the vent screw on the right side of the compressor to depressurize the fill whip.
8. Remove the fill probe from your airgun.
9. Remember to switch the fans off when finished using the compressor to fill.

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

Proper use and maintenance of your Spark 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 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 through the fill whip.

7. Troubleshooting

Problem	Possible Cause(s)	Solution(s)
Cooling system does not turn on	No power to compressor	Verify power source has enough voltage/amperage to power the system.
	Inline fuse is blown	Replace the inline fuse.
Compressor motor does not start	No power to compressor	Verify power source has enough voltage/amperage to power the system.
	Inline fuse is blown	Replace the inline 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	Fans not running	Turn the fan switch on.
	Poor air circulation	Make sure both fans have adequate airflow and are not blocked.
	Compressor overheating	Stop and allow the compressor to cool before continuing.

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 or (877)-278-4448 x201) for assistance.

8. WARRANTY AND SERVICE

One Year Limited Warranty – The Hatsan Spark 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) 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
- 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
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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