

# HIGH-PRESSURE HAND PUMP USER MANUAL



Read Carefully Before Use  
Keep for Future Reference

# Safety Information

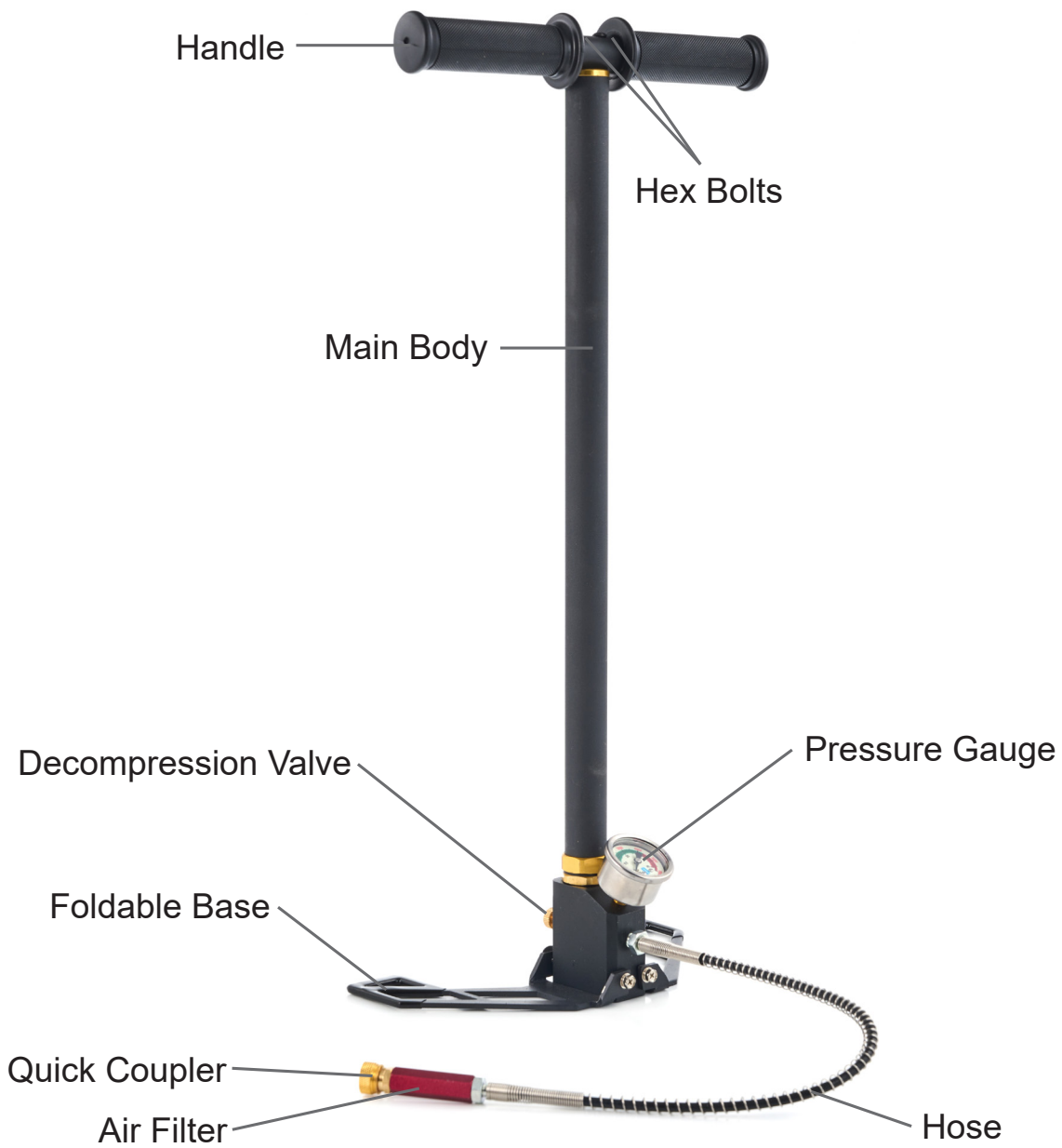
## Warning!

- This product is designed to fill pre-charged pneumatic (PCP) air rifles. **DO NOT** use it on bicycle or vehicle tires or for any other purpose.
- **DO NOT** let children or persons with compromised physical or mental capabilities use this product. Do not allow people unfamiliar with this product or these instructions to operate it.
- **DO NOT** operate this product if it is damaged or shows signs of malfunction. Repair or replace any worn or broken parts before further use.
- **DO NOT** operate this product on uneven, inclined, or slippery surfaces.
- **DO NOT** continue pumping if the pressure gauge is about to reach 4350 psi (300 bars) or the maximum working pressure of the air rifle being charged, whichever is **LOWER**.
- Store out of the reach of children.

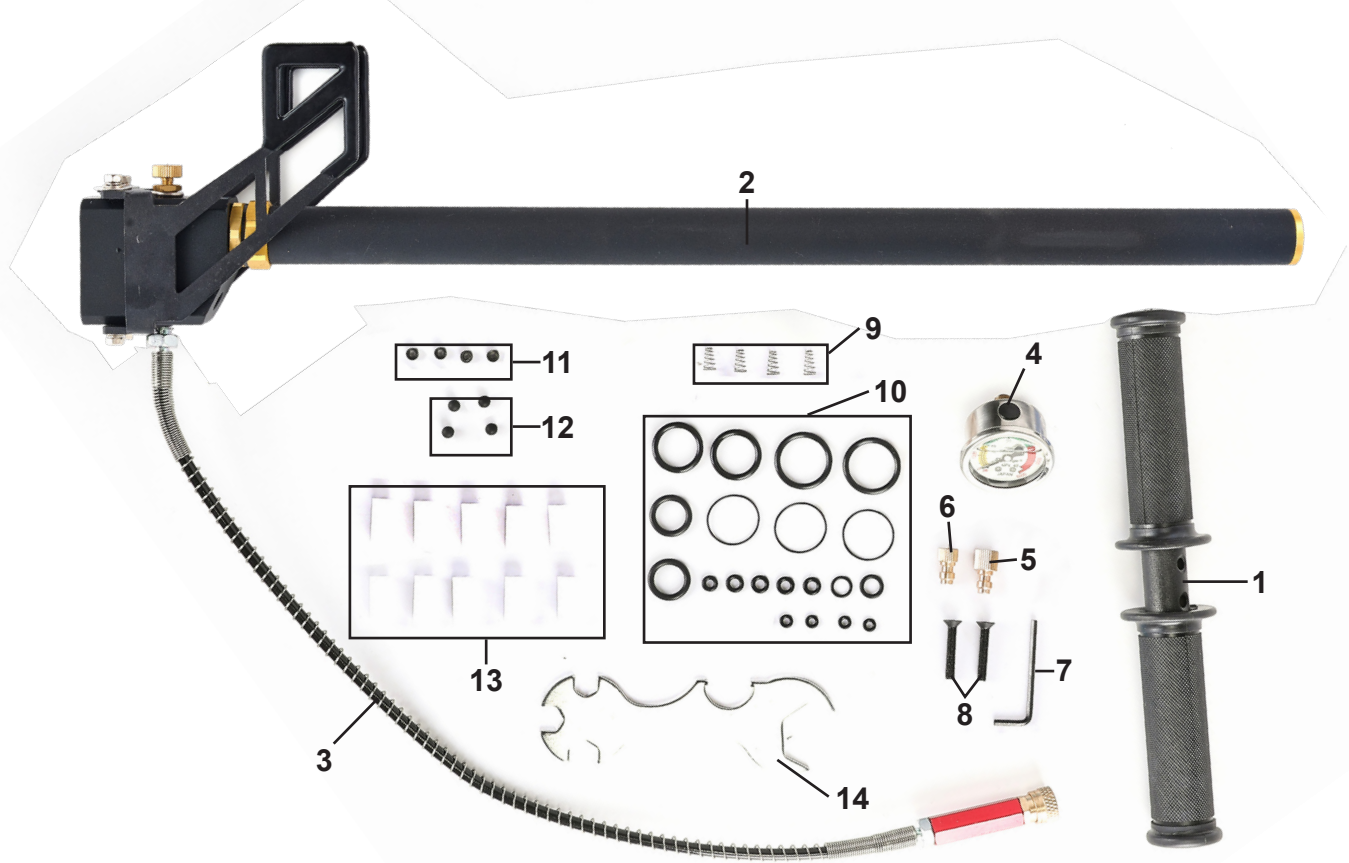
# Specifications

|                       |                          |                       |
|-----------------------|--------------------------|-----------------------|
| Max. Working Pressure | 4350 psi                 | 300 Bars              |
| Gauge Range           | 0–6000 psi               | 0–415 Bars            |
| Hose Length           | 18.8 in.                 | 48 cm                 |
| Overall Dimensions    | 10.5 × 6.5 × 24–40.2 in. | 26.5 × 16 × 60–102 cm |
| Net Weight            | 5.1 lb.                  | 2.3 kg                |

# Product Diagram



# Package List



| Item | Name                                   | Qty. |
|------|--|------|
| 1    | Handle                                 | 1    |
| 2    | Main Body with Foldable Base           | 1    |
| 3    | Hose with Air Filter and Quick Coupler | 1    |
| 4    | Pressure Gauge                         | 1    |
| 5    | Spare Quick Coupler                    | 1    |
| 6    | Test Plug                              | 1    |
| 7    | Hex Wrench                             | 1    |
| 8    | Hex Bolts                              | 2    |
| 9    | Spare Piston Springs                   | 4    |
| 10   | Spare O-Rings                          | 20   |
| 11   | Spare Piston Seals                     | 4    |
| 12   | Spare Inlet Valve Balls                | 4    |
| 13   | Spare Polypropylene Cotton Pads        | 10   |
| 14   | Multifunctional Wrench                 | 1    |

**Not Included but Necessary:** Silicone Oil

# Assembly

1. Unfold the base and place the main body of the pump (2) on a stable level surface.
2. Connect the threaded end of the hose (3) to the pump's outlet. Screw it into place and tighten it completely with the multifunctional wrench (14).



3. Attach the pressure gauge (4) to the port above the outlet using the attached bolt. Screw it into place and tighten it completely with the multifunctional wrench.



4. Fit the handle (1) onto the top of the pump, aligning their holes with each other. Secure it using the two hex bolts (8) and tighten them completely with the hex wrench (7).



5. Test the pump to check for leaks in your garage or yard. (See Maintenance below.) If any excess lubricating oil is released, remove it with water and a mild solvent. Allow all parts to fully dry before further use.

# Operation

1. Turn the decompression valve's knob counterclockwise to clear any air or vapor remaining inside the pump. Confirm that the gauge reads 0 psi and then turn the knob completely clockwise to close the valve.



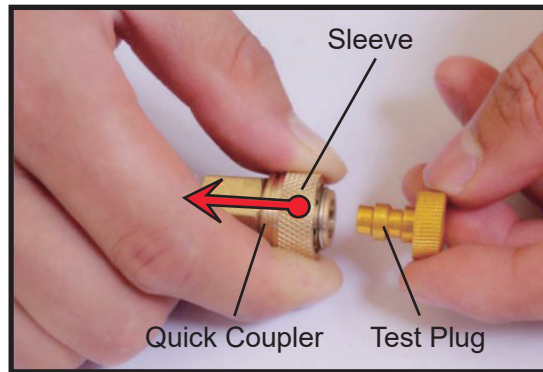
2. Open the charging port of your air rifle. Connect it to the pump's hose by pulling the coupler sleeve back, pushing the coupler onto the port, and releasing the sleeve.
3. While standing firmly on the base with your foot, raise and lower the handle until the gauge reaches the proper pressure for your air rifle. (Again, never exceed 4350 psi on this pump regardless of your rifle's specifications.)
4. Disconnect the hose from your air rifle and immediately close its charging port.
5. Open the decompression valve again to release any remaining air and vapor.

# Maintenance

## Leak Testing

For best results, test for leaks before first use and periodically thereafter.

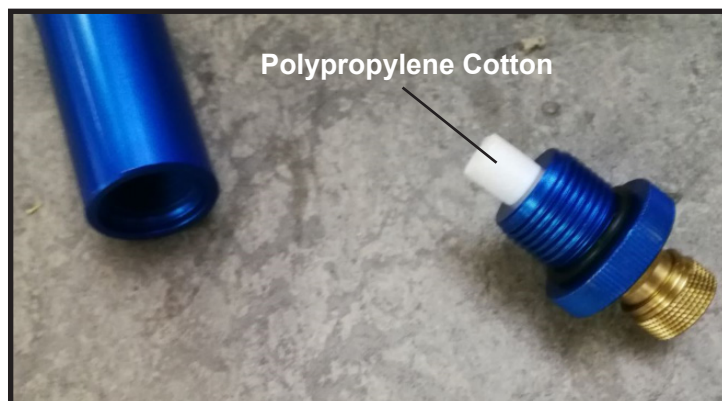
1. Block the quick coupler by pulling its sleeve back and inserting the test plug (6). Release the sleeve.



2. Confirm the decompression valve is tightly closed and then raise and lower the pump handle. If the gauge's reading rises and remains steady, there is no problem.
3. If the gauge stays at 0 psi or returns to 0 psi by itself after you stop pumping, retighten the connection between the hose and your pump and try again.
4. If there is still a leak, repair or replace the hose and try again.
5. If there is still a leak, systematically examine the quick coupler, the O-rings, and the piston seals. Replace any damaged parts with the provided spares (5, 10, and 11) or correct their placement until the gauge indicates no leakage between the pump and the coupler.

## Filter Replacement

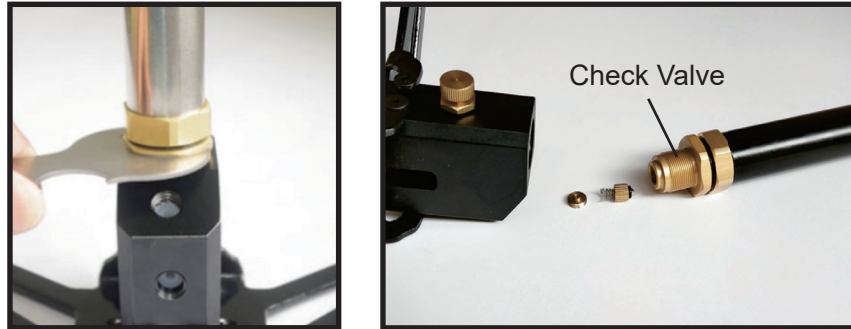
Over time, as pumping progresses, dust will build up on the polypropylene cotton inside the air filter. Unscrew the head of the filter and replace the used material with a spare (13).



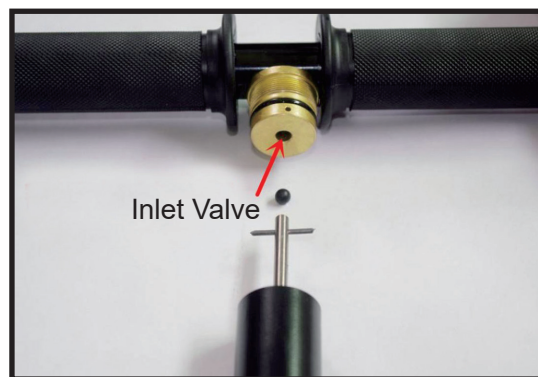
## Cleaning Valves

Over time, the check and inlet valves may become obstructed by dust and other detritus. Examine and clean them as needed.

To expose the check valve, turn the locknut counterclockwise using the multifunctional wrench until the cylinder becomes loose, detach the cylinder from its holder, and remove the piston and its seal. The check valve will then be visible at the bottom of the cylinder.



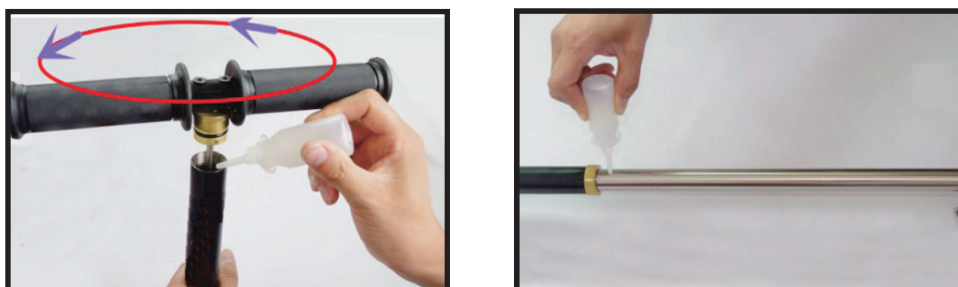
To expose the inlet valve, first make sure that the hex bolts securing the handle to the main body of the pump are firmly tightened. Turn the handle counterclockwise until the inlet valve underneath it is detached from the pump. Remove the ball to expose the inlet valve.



Clean either valve with a cotton swab, clearing any dust or debris. Reassemble the pump using a spare ball (12) if needed.

## Lubrication

Lubricate moving parts with a high-quality silicone oil (not included) as needed.





## Miscellaneous

- For best results, clean the exterior of the pump with a soft damp cloth after use. Do not use abrasive cleaners or caustic chemicals.
- Check the parts of this pump periodically for any signs of looseness, wear, or damage. Tighten, repair, or replace any problematic parts before further use.
- Store the pump in a cool dry place inaccessible to children between uses.

## Troubleshooting

If the handle cannot be easily moved, clear any corrosion from the main pump and lubricate the piston. If that does not resolve the problem, reattach or replace the piston's spring. Open the check valve, removing the piston and its seal as described above. Find the spring at the bottom of the removed piston. If the spring has fallen out of place, reattach it to the piston. If it is damaged, replace it with one of the provided spares (9). Reassemble the pump, taking care to maintain the spring's position and the tight seal between each part.

If excess oil is released during use, towel it away and clean away the remaining oil with water and a mild solvent like dishwashing detergent. For heavy stains, a specialized degreaser may be necessary. Allow the pump to fully dry before further use.

## Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at [help@cs-supportpro.com](mailto:help@cs-supportpro.com) and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.



