

***FRESH AERO OneOP
Model PC (Portable Compressors)
Tire Inflator***

For inflating aircraft tires and all types of other vehicle tires and air operated devices



Manual



Where Imagination Meets Innovation

Fresh Aero OneOp Aviation Tire Inflator (model PC) For Portable Air Compressors

Thank you for purchasing the **Fresh Aero OneOp** Aviation Tire Inflating System for portable air compressors. We're confident you will be pleased with this innovation in aircraft maintenance tools.

The **OneOp model PC** Inflating System is specifically configured to be used with portable air compressors without reservoirs (tanks). These are the miniature compressors that plug into your vehicle's 12 volt accessory receptacle. The OneOp Inflating System can also be purchased configured for reservoir type compressors. Please see the "OneOp Inflator detail page on our web site at www.freshaero.com for additional information.

If you've ever inflated aircraft tires with wheel pants, you know that this seemingly simple task can be quite a handful. There is a better and easier way to perform this task -- use the Fresh Aero OneOp (One Operation) Aviation Tire Inflating System.

Have you struggled with squeezing the Inflator chuck between the wheel pant and tire fill stem? The OneOp Inflating System employs an angled locking chuck that will slip on easily and lock on the stem. There is no need to hold pressure on the chuck when filling the tires.

Have you lost pressure when you switched between the air chuck and the pressure gauge? This won't happen with the OneOp Inflating System because the pressure gauge is integrated into the unit. Just hold the inflator valve lever (compressor switch on the PC Model) until the proper pressure appears, then release and remove the chuck from the tire stem. That's it!

The OneOp PC Model is configured for inflating aircraft tires requiring air pressures of 100 pounds per square inch (psi) or less. Please refer to the OneOp detail page on our web site at www.freshaero.com for additional information.

Other features include a large shock protected pressure gauge with large, easy to read pressure indices and industry standard disconnects for easy attachment to your air supply line and a variety of air chucks.

A wide assortment of air chucks with industry standard male quick dis-connects are available on our web site (www.freshaero.com) to meet almost every need. If your aircraft has tire chuck access holes in the wheel pants, we have straight tire chucks in two lengths that makes inflating your tires even easier.

The Fresh Aero OneOp PC Inflator is configured with a standard "tire fill stem" fitting for easy attachment to your portable air compressor.

The **OneOp Inflating System** can also be used to quickly and easily deflate tires when wheel maintenance is required.

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Study and Save this Manual



Read this entire manual before using the One OP Inflating System. Make sure you understand the instructions and safety precautions in this manual. Failure to follow all the instructions in this manual can cause personal injury. Keep this manual and your invoice in a safe place for future reference. Do not use this product if you do not understand all the instructions and safety precautions in this manual. If this product is used without observing the information given under this symbol, injury may result.

Fresh Aero OneOp Aviation Tire Inflating System General Safety Warnings and Precautions

Warning: Always adhere to the following safety precautions when using this product.

- Do not alter or modify the OneOp Inflating System in any way.
- Always keep the work area clean. Cluttered areas invite accidents and possible injuries.
- Stay alert and concentrate on safety.
- Never perform maintenance if under the influence of alcohol or drugs. Read warning labels on prescriptions you are taking to determine if your judgment or reflexes will be impaired while taking these drugs.
- Always locate aircraft or other vehicle on a level surface and chock tires or use an alternate method to prevent movement.
- Always wear ANSI approved safety goggles when working with tools and equipment.
- Never exceed recommended pressures of items to be inflated. Do not over-inflate. Explosion is possible if items are over-inflated.
- Keep this inflating system away from children. Do not use as a toy.

Warning: The warnings, precautions and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors that cannot be built into the One Op Inflating System and must be supplied by the person or persons using this product.

Important Notice: If you have questions regarding the performance or operation of the OneOp Inflating System, or just need another manual, please call or write the Fresh Aero Group at the contact numbers or e-mail address on the next page. Our manuals are also available in PDF format on our web site.

Fresh Aero OneOp Aviation Tire Inflator (model PC) For Portable Air Compressors

The Fresh Aero Tire Inflating System

3 year Limited Warranty

Fresh Aero Aviation makes every effort to provide high quality and durable products to the aviation community and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 3 years from the date of purchase. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents; repairs or alterations outside our facilities; or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation defect or problem must be included with the product. If inspection verifies the defect, we will either repair or replace the product at our discretion or may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return the repaired or replaced product at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then the purchaser must bear the cost of returning the product.

This warranty gives you specific rights and you may also have other rights which vary from state to state.

Disclaimer of Warranty

The Fresh Aero Group makes no representations of warranties, either expressed or implied, by or concerning any content of these written materials and in no event shall be liable for any implied warranty for any consequential, incidental or indirect damages (including but not limited to damages for loss of business profits or business interruption) arising from the use or inability to use these written materials or equipment. No liability is assumed with respect to the use of the information contained in these written materials, or for damages resulting from the use of the information contained therein.

Other Legal Notices

Fresh Aero Aviation makes no representations or warranties regarding any damages, injuries or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.

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Fresh Aero OneOp Aviation Tire Inflator (model PC) For Portable Air Compressors

Operating the Fresh Aero OneOp Model PC Inflator



Read and understand all the proceeding safety precautions and warnings before operating the OneOp Inflating System.

The OneOp model PC Inflator is specifically configured to be used with portable air compressors without reservoirs (tanks). Do not use this inflating system with air compressors that have integrated compressed air storage tanks. Damage to the inflating system and personal injury may result. The One Op Inflator can also be purchased configured for reservoir type compressors. Please see the OneOp Inflator detail page on our web site at www.freshaero.com for additional information.



Do not adjust air relief valve on inflator. This valve was set to proper setting when installed and does not need further adjustment. Damage to inflator and compressor may occur and warranty will be void if valve is adjusted.

Always wear ANSI approved safety goggles when operating this inflator.

Before each use, inspect inflator and all accessories for damage. Do not use inflating system if damage is found. Return to Fresh Aero for repair.



When using this inflator on aircraft, **never** inflate aircraft tires with the the aircraft engine running.

Do not over inflate tires. Inflate only to pressure recommended by the aircraft manufacturer.

1. Connecting the Air chucks and Portable Compressor to Inflator

- 1.1 For the following instructions, we'll assume your using the #1 locking air chuck. Please refer to the the note on the next page if your using another chuck. Plug air chuck with the locking lever into the female disconnect at the end of the inflator hose. Pull back on the female coupling locking collar to connect fittings, then release collar. Make sure that the locking collar slides forward toward the inflator to lock the fittings. A clicking sound will indicate that the couplings are properly seated. Confirm that couplings are safely locked and cannot be pulled apart.
- 1.2 Open compressor hose chuck by pulling up on the chuck locking lever and push chuck squarely onto the connector at the rear of the One Op inflator (opposite hose end). Make sure that compressor chuck is seated firmly on connector. Push the locking lever down (parallel to compressor hose) to lock the chuck to inflator fitting.

Fresh Aero OneOp Aviation Tire Inflator (model PC) For Portable Air Compressors

Operating the Fresh Aero OneOP Inflating System - *continued*

2. Inflating your tires

- 2.1 Roll your plane until the tire fill stem is closest to the ground. Chock tires to prevent aircraft movement. You can use chalk or a paint pen to mark the tire fill stem position on the edge of the wheel to quickly find the correct position at a distance for future tire inflation.
- 2.2 Remove the tire fill stem cap and slide the chuck between the wheel pant and the fill stem. Depress the stem-locking lever fully and push the chuck squarely onto the fill stem until no escaping air is heard and release lever.

Note: When using an angled dual head or straight tire chuck with the OneOP inflator, hold the head of the chuck tightly and squarely against the fill stem when inflating your tires. If your aircraft has tire chuck access holes in the wheel pants, You can purchase straight chucks in two lengths that makes tire filling even easier. (Please refer to our Air Chuck detail page on our web site for more information).

- 2.3 Start the portable compressor and with one hand on the start/stop switch, observe the OneOp air gauge until the proper pressure appears, then shut off the compressor. Depress chuck locking lever and quickly pull the chuck from the tire stem. With very little practice, you'll experience negligible air loss. Replace stem cap.

Warning: Do not over inflate tires. Inflate only to approved pressures. Be sure to turn off the compressor when the air pressure reaches the desired level.

Note: The OneOp inflator is equipped with an adjustable pressure relief valve that releases air when the system pressure reaches the adjusted pressure. This prevents possible damage to the One Op and compressor if the compressor is not turned off promptly. If the relief valve opens, you will hear a loud "popping" noise as the air escapes – this is normal. Turn off the compressor to prevent this.

Another Note: Your OneOp relief valve is adjusted to approximately 100 psi. Additional pressure springs and instructions are included to change this setting if a different pressure relief is needed.

Another Note: The OneOP Inflating System can also be used to deflate tires for maintenance. Just attach inflator to tire fill stem as previously described and press deflating button on side of inflator barrel.

- 2.4 Remove air chuck by pulling back on inflator hose female coupling sleeve and pulling chuck from coupling.

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Operating the Fresh Aero OneOP Inflating System - *continued*

2.5 Remove the One Op inflator from the portable air compressor hose by pulling up on the chuck locking lever and gently pulling the inflator fitting from the chuck.

2.6 Store the OneOP system in a safe dry place, inaccessible to children.

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