

REFILLING YOUR 20 OZ TANK

In order to fill your 20 oz tank to capacity, WorldPro recommends chilling the tank before filling. Additionally, make sure that your 20 oz. tank is completely empty, as empty tanks are much easier to fill. If you are not sure if the 20 oz. tank is empty, attach the blow gun attachment and press the lever to completely drain the tank.



1. For best results, use a bulk tank with a siphon valve. Install the proper fill adapter on the bulk cylinder. Ensure the bulk cylinder is turned off before inserting the 20 oz. tank which you are filling.



2. While holding the CO2 cylinder with both hands, insert the tank into the fill adapter. Begin to screw the tank in by turning the tank clockwise into the fill adapter. **Please ensure that you are standing to the side of the tank and not in front of it while filling.**



3. Continue screwing the small CO2 tank into the fill adapter until it does not turn any further.



4. Turn on the bulk cylinder and begin filling the CO2 tank. **Please ensure that you are standing to the side of the tank and not in front of it while filling.**

As you are filling the tank, you will be able to hear a light hissing noise as the tank is filling. As the tank reaches capacity, the hissing noise will slow down. This usually takes about 1 minute.



5. Turn the bulk cylinder off by turning the knob clockwise. It is important to make sure the bulk tank is completely turned off before you begin to unscrew the 20 oz. tank. **Please ensure that you are standing to the side of the tank and not in front of it.**

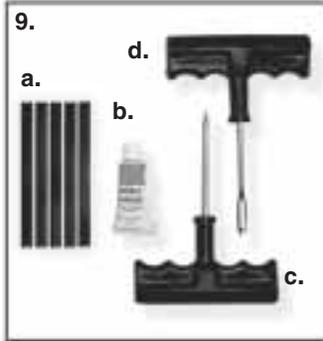


6. Next, using both hands, begin to unscrew the 20 oz. tank by turning the tank counter clockwise. **Please ensure that you are standing to the side of the tank.**

The best way to check the weight of a full tank is to set it on a scale. An empty tank weights 28 oz. or 800 grams. A full tank should weigh just over 48 oz., or 1370 grams. If you find that you have over filled the tank, attach the blow gun fitting and depress the trigger for a couple of seconds to let out some of the excess gas.

Instant Air Owners Manual





Tire repair kit

- 9a. Rubber patch strings
- 9b. Rubber patch cement
- 9c. Tire rasp tool
- 9d. Tire plugger

Instant Air CO2 tank

- 10. Regulator
- 11. Tank adapter
- 12. Burst disc
- 13. Pop off
- 14. Tank valve
- 15. Pneumatic hose
- 16. Quick connect
- 17. 20 oz. CO2 Tank

How It Works

The liquid CO2 originates in the 20 oz. tank (17) and passes through the tank valve (14). The CO2 enters the tank adapter (11), passes through the World Pro Regulator pre-set to 90 psi (10). From there the CO2 travels to the pneumatic hose (15) and then through the quick connect fitting (16). If the pressure should build too high, the burst disc will rupture to safely relieve the pressure. **(SPARE BURST DISC INCLUDED)**

Accessories

- 1. Tire fill nozzle
- 2. Hard rubber blow gun tip
- 3. Replacement burst disc
- 4. Air fill needle
- 5. Waist clip
- 6. Tire pressure gauge
- 7. Blow gun
- 8. Bulk tank to 20 oz. tank fill adapter

BLOW GUN TIP INSTALLATION

included with the Instant Air Kit is a small rubber tip used to aid in inflating certain recreational equipment. The tip fits over the included blow gun attachment as shown below.



REFILLING THE INSTANT AIR TANK



The World Pro Instant Air System includes a fill adapter for use with larger re-fill tanks. To install the fill adapter, turn the adapter clockwise onto the bulk tank nozzle. Make sure that you screw the adapter all the way onto the bulk tank nozzle.

Refer to the back cover when filling the 20 oz. tank.

TIRE FILL NOZZLE INSTALLATION

To install tire fill nozzle, plug the nozzle on to the quick connect fitting

Once attached to the quick connect fitting, press the tire fill nozzle to the tire valve.

To use fill needle provided with kit, insert the needle in the object to be filled and hold the tire fill nozzle onto the fill needle.

Another way to use the fill needle is to depress the blow gun tip onto the needle



STANDARD BLOW GUN INSTALLATION

The Instant Air Kit comes with a standard blow gun attachment. This handy fitting has many uses and like all of the included fittings, it easily attaches to the quick connect fitting. Once installed press the lever on the top to release the compressed air as needed.



5.



DANGER

- MAX CO2 CAPACITY 20 OUNCES
- LIGHTWEIGHT ALUMINUM CYLINDER WITH ONE PIECE BURST DISK VALVE ASSEMBLY. MEETS OR EXCEEDS ASTM F2030-00.
- NOTICE: CYLINDER REQUIRES FILLING WITH CO2 PRIOR TO OPERATION.
- IMPROPER USE, FILLING, STORAGE OR DISPOSAL OF THIS CYLINDER MAY RESULT IN DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.
- DO NOT ALTER THIS CYLINDER IN ANY WAY.
- DO NOT OVERFILL. DO NOT EXPOSE PRESSURIZED CYLINDER TO TEMPERATURES IN EXCESS OF 130 DEGREES F.
- CYLINDERS EXPOSED TO A FIRE OR HEATED TO TEMPERATURES IN EXCESS OF 350 DEGREES F SHOULD BE CONDEMNED AND/OR HYDROSTATICALLY TESTED PRIOR TO FILLING.
- TANK FILLING AND VALVE INSTALLATION/REMOVAL MUST BE PERFORMED ONLY BY TRAINED PERSONNEL.
- DO NOT USE CAUSTIC CLEANERS.
- KEEP CYLINDER OUT OF REACH OF CHILDREN.
- THIS CYLINDER MUST BE FILLED ONLY BY PROPERLY TRAINED PERSONNEL IN ACCORDANCE WITH CGA PAMPHLETS P.1 AND G-6.3 AVAILABLE FROM THE COMPRESSED GAS ASSOCIATION, INC., FIFTH FLOOR, 4221 WALNEY ROAD, CHANTILLY, VA 2051-2923.



DANGER

DO NOT ATTEMPT TO DISASSEMBLE REGULATOR / TANK ADAPTER OR TANK VALVE.

IMPORTANT: IF YOU EXPERIENCE A PROBLEM WITH YOUR WORLD PRO INSTANT AIR SYSTEM, **DO NOT DISASSEMBLE.** CONTACT WORLD PRO SERVICE DEPARTMENT AT **1-866-783-0513**



IF THE BURST DISC RUPTURES

You will know if the burst disc has ruptured if air begins to blow out of the side of the valve.

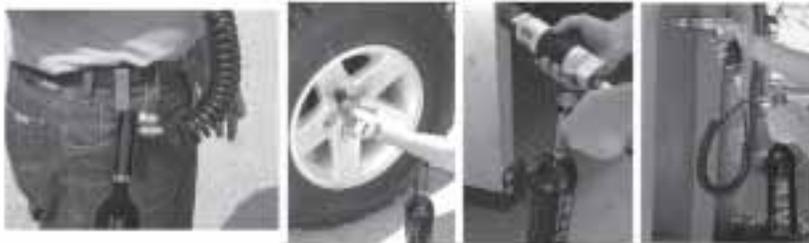
DO NOT ATTEMPT TO CHANGE BURST DISC UNTIL TANK IS COMPLETELY EMPTY.

1. Remove burst disc by turning counter clockwise
2. Insert new burst disc (**provided with kit**)
3. Tighten burst disc until it is **finger tight**, then take a **3/8"** wrench and tight en **1/4"** turn.

2.

KEEP TANK VERTICAL WHILE OPERATING

While operating the World Pro Instant Air System, make sure that the tank is vertical or close to vertical. If the tank is not held at vertical or close to vertical during operation, the nozzle may begin to freeze or the liquid CO2 may spill out into the regulator, wasting CO2 and causing the system to operate inefficiently. The provided waist clip will hold the tank vertical in most instances or alternatively, the Instant Air System can be safely used while the tank is standing on the ground.



TANK MAY BEGIN TO FROST

While operating the World Pro Instant Air System continuously, you may find that the system will become very cold and begin to frost. If this is the case, set the tank aside and let it warm up for a minute or two. After the frost begins to dissipate, you will be able to begin again. If the air is sputtering or not coming out at all, the tank needs to warm for a longer period of time.

This type of frosting will only occur when you are operating the instant air continuously with no pause and is completely normal.

For example, this can occur when filling an air mattress or a tire.



3.

INSTALLING REGULATOR

The Instant Air regulator is installed by screwing it onto the CO2 tank in a clockwise direction as shown to the right. The regulator must be screwed all the way on until it no longer turns.



REMOVING REGULATOR

The Instant Air regulator contains an o-ring that prevents leakage between the tank and the regulator. When removing the regulator it is important to drain the air from the air hose to avoid damaging the o-ring.

To drain the hose, first turn the regulator counter clockwise two full turns. Then use the blow gun attachment to release any air in the hose. Once the air is released the regulator can safely be removed by unscrewing it in the counter clockwise direction. **FAILURE TO RELEASE THE PRESSURE FROM THE HOSE WILL DAMAGE THE O-RING. (SPARE O RING INCLUDED)**



4.