

Power Tank "COMP Series" Instructions (CO₂ set-up)

(For Power Tanks with the HP, HPf, HPX, HP250, and HP250i SuperFlow regulators identified by a blk. body and yellow gauges.)
(Do Not Discard. Keep in a safe place for future reference.)

TO FILL:

1. CYLINDER TANK will need to be filled with liquid CO₂ before you can use your POWER TANK. We recommend that you weigh your empty tank with our Super Scale (Part #CO2-2050) or at least on your bathroom scale and record it (write it on your tank). This is your "Empty Tank Weight." Before taking your tank to a CO₂ refiller you must remove the regulator with our Power Wrench (Part #CO2-WREN3), a 1 1/8" open end wrench, or a 10" adjustable wrench. You may also have to loosen the HANDLE/GUARD with the supplied allen wrench and twist the handle 90° to allow unobstructed access to the valve outlet.
2. Take your CYLINDER TANK to a nearby fire extinguisher service shop, welding gas supply, or beverage carbonics refill shop. We recommend calling on several shops first to get the best price and/or to find one that can refill while you wait. DO NOT exchange your tank for another.
3. After your CYLINDER TANK is filled with CO₂, re-weigh it immediately to ensure that you got an accurate fill (i.e. a PT-10 should weigh no more than 10 lbs. more than its "Empty Tank Weight".) If you find that it has been overfilled simply bleed off CO₂ until the weight is correct. This will ensure that your safety release disk is not activated prematurely. Now, loosen the handle again, carefully install the SuperFlow regulator within the guard/handle and tighten the regulator nut snugly (15-20 ft/lb.). Then align the guard/handle to the regulator and cinch the guard bolts down very tight to keep the handle from twisting from a side impact.
4. Install the hose fittings onto hose ends using our Teflon Tape thread sealant (Part #TT-1000) or other high quality thread sealant on the threads. Thread sealants can be found at any hardware or automotive supply store or from our online store. Once your hose is put together it is time to test your POWER TANK.

TO TEST:

5. Your POWER TANK must always be in an upright position (or at least at a 30° angle) while in use and it is recommended that it also be stored and mounted in this position. This is because you want the CO₂ vapor to be released from the outlet not the liquid. Can it be mounted on its side? Yes. You'll just have to set it upright each time you use it.
6. Plug the HOSE into the SuperFlow regulator OUTLET COUPLER and make sure the REGULATOR OUTLET PRESSURE ADJUSTMENT KNOB is turned in clockwise before opening the MAIN VALVE.
7. ALWAYS PRACTICE SAFETY. Point the gauges and regulator away from you and other people and precious objects before opening the MAIN VALVE. To open the MAIN VALVE turn the MAIN VALVE KNOB slowly counterclockwise until pressure is indicated on the top tank pressure gauge.
8. After the MAIN VALVE is opened, listen for leaks. If leaks are heard, close MAIN VALVE and make sure that the REGULATOR NUT is tight. If leaks are still heard remove the regulator and make sure the washer is in place inside the 1 1/8 nut and all the threads are clean and undamaged. If, after opening the MAIN VALVE again, a leak persists, do not use your Power Tank. Return the regulator to Advanced Air Systems, Inc. with an explanation letter for inspection. If there are no leaks, open the valve all the way and check the TANK PRESSURE GAUGE for a reading. It should read ~500-1000 psi depending on the temperature of the tank and the amount of gas. Very hot temperatures of above 100°F may show pressures above 1000 psi. This is normal.
9. Next, turn the REGULATOR PRESSURE ADJUSTMENT KNOB counter-clockwise to open. This is your outlet pressure adjustment. As you turn this knob outward, you will notice the reading on the OUTLET PRESSURE GAUGE increase. To decrease the pressure, turn the knob in. As you do this you will hear the regulator auto purge feature release the pressure inside the regulator. Set to your desired outlet pressure. Now your POWER TANK is ready to use.
10. After each use, remember to close the MAIN VALVE clockwise until it seats. ALWAYS turn the REGULATOR PRESSURE ADJUSTMENT KNOB in (clockwise) to shut the regulator down. You will hear air pressure purge as you turn the knob.

Did you know:

That you can use this regulator on an N₂ tank by simply changing the nut/nipple assembly to one for an N₂ valve (Part #FIT-0003) or by using an N₂ to CO₂ valve adapter (Part #FIT-0002)?

READ ALL WARNINGS BEFORE USE. (Also read all DIRECTIONS/WARNINGS on tank decals.)

