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Crosman 1077, 2300 Series, 2400 Series, 22xx Series & Diana Chaser Paintball Tank Adapters

Dear Buyer,

I have perfected my fabrication of these adapters to the point where the attached instructions are mostly moot. Frankly, you can now thread it in, charge it and start shooting.

However, it's still a good idea to cursorily read through the instructions just so you have a heads-up on how the product behaves.

Thanks.

-Nick.

Alliance Hobby

Please understand that I am not a professional machinist, nor do I have a professional-grade shop. I am just an average guy with average skills that thought people might like to upgrade their airguns from expensive and short-lived 12g Powerlets to dirt cheap paintball tanks that offer HUNDREDS of shots for fractions of a cent per shot.

Installation of the adapter is very easy, but one word of caution cannot be stressed enough.

DO NOT OVER TIGHTEN!!!

Permanent and **major damage** will result if you tighten this adapter too far into your airgun's main tube. You **WILL** push the valve farther down the tube and **destroy** the screw and threads that hold the valve in place and you will destroy the front breech screw and threads. You will also potentially destroy the breech sleeve and breech gasket. Your gun will **never seal again** without complete disassembly, repair (tapping new threads), screw replacement and other modifications. Trust me, I should know.

Using either Powerlets or my adapter, never over tighten. Hand tighten only. If you have to use more than finger pressure, something else is wrong with the adapter or the gun. Hand tighten only.

Due to the hand-made nature of my adapters, the drilled-out and modified end cap that is part of my adapter may not screw all the way into the main tube like it would if there were a Powerlet inside. Do NOT force it to thread all the way in. **Expect to have a few end cap threads visible.**

LIFETIME WARRANTY

I will, simply put, repair or replace the adapter at any time.
Just email me the problem and I will take care of it for you.

DISCLAIMER

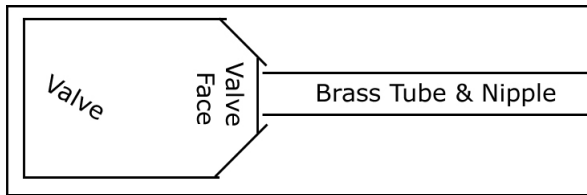
Alliance Hobby takes no responsibility or assumes any liability for the use of the adapter, air guns, CO₂ products, pellets, et al. Pellet guns should always be handled and treated like firearms or any other dangerous product capable of causing injury or death.

Furthermore, CO₂ is a dangerous product in either its solid, liquid or gaseous forms. It can permanently blind you and cause frostbite in a matter of seconds. Abide by all general CO₂ precautions when handling this product.

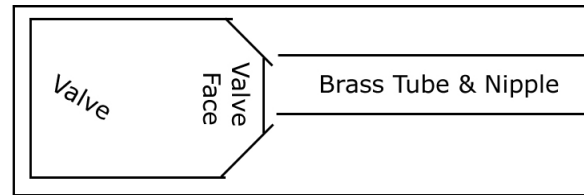
Installation Instructions:

The most important thing to remember:

You will know you have a properly seated adapter when you intrinsically feel the adapter “mush” up against the soft valve face. If, as you tighten the adapter, it *suddenly* stops and you don’t feel the “mush” then the internal nipple is slightly off-center and resting against the brass side of the valve face. Back it out a turn and try again. Don’t try to force it, you’ll just destroy your valve.



Correct alignment. Feel the mush!



Incorrect alignment. Adapter will suddenly stop with no “mush” as it hits the brass side of the valve.

- 1) Coat the edge of the adapter’s internal nipple with a thin film of Crosman Pellgunoil.
 - a) **Only** Crosman Pellgunoil or Alliance Hobby Airgun Oil is recommended.
 - i) Stay especially away from synthetic or silicone-based products (like Crosman’s own synthetic Chamber Oil).
 - b) This creates a microscopic seal as the nipple touches the soft valve gasket.
- 2) Screw the adapter into your gun, hand tight.
 - a) Be certain not to cross-thread.
 - b) Feel the soft mush as the nipple mates with the rubber seal inside the gun.
- 3) Coat the internal o-ring of the remote line’s female quick connect with a thin film of Pellgunoil. A lightly oiled o-ring will ensure a leak-free rig.
 - a) If you have the optional elbow, also oil the internal o-ring in that, as well.
 - b) Thin films only. One drop should do it.
- 4) Connect paintball tank and remote line to adapter via quick disconnect fitting.
- 5) Slowly open the paintball tank. If you hear gas escaping from anywhere, the adapter isn’t tight enough or you have a leaking o-ring.
 - a) Open the tank slowly. If there is a leak, any more than a trickle of gas will freeze o-rings.
 - i) Listen for **internal** leaks while situated in a **quiet** room.
 - ii) External leaks can be found by spraying Windex or soapy water over the fittings.
- 6) If you are leak-free, open the tank the rest of the way and enjoy shooting!

Disconnection & Removal Instructions

- 1) Close paintball tank at the remote line's valve.
- 2) Dry fire your gun several times until pressure has been depleted.
 - a) This could be anywhere from 10-30 shots.
 - b) Failing to deplete pressure prior to disconnection will result in a potentially dangerous projectile (the QD fitting), frozen o-rings and spewing of any leftover thread sealant inside the adapter or elbow.
- 3) Disconnect at QD fitting.
 - a) The less pressure remaining at time of disconnection, the better.
- 4) To remove the adapter from the gun, unscrew by hand (an 11mm wrench may be necessary if you screwed it in too tightly) to loosen end cap from gun. Use gentle pressure to ensure that the entire adapter is loosened from gun and not just the QD fitting from the end cap.

Storage Instructions

- 1) The adapter can be stored in the gun indefinitely, pressurized or not.
 - a) Once you have a tight seal, and your situation allows, the adapter should be left in the gun at all times. This minimizes wear on the valve face and maintains the good seal.
- 2) However, to ensure you don't inadvertently drain your paintball tank, it's best to close your tank's valve after every shooting session.