



Market Leader In Accuracy

Welcome to Huma-Air. We design and manufacture brand- and model specific precision regulators for PCP air rifles.

By using only the highest quality materials such as aircraft grade aluminum, aluminum-bronze, chrome-moly steel and precision belleville springs, our ultra-compact regulators are high performing with less than 1% fluctuation.

Huma-Air regulator installation guide Vulcan III

HUMA-AIR



For adjustment tips, frequently asked questions and a complete list of installation manuals and instructions on how to adjust your Huma-Air regulator

<https://www.huma-air.com/Fitting-instructions>



Or go there directly by scanning the QR code

**Before you you start, realize this:**

- Working on a high pressure rifle could potentially be harmful or lethal to you or bystanders if you do not know what you are doing.
- The pictures of the rifle parts in this manual are universal and meant as an example to explain the working principle. They might not be equal to the parts in your rifle.
- Do not attempt to install this regulator yourself if you do not have a clear understanding of how these pcp rifles and regulators work.
- Do not attempt to install this regulator if you are not skilled to work on an air rifle; contact your local gunsmith to do the fitting.
- Installation and operation is done completely at your own risk.
- Installing this regulator might void your rifle's factory warranty.
- Your rifle may never be filled higher in pressure as stated in your rifle's manual.
- Do not attempt to fit this regulator in another rifle as mentioned in our order confirmation.
- These regulators are not suitable to use as a CO2 to HPA conversion, this could potentially be harmful or lethal to you or bystanders.
- We cannot be held liable for any accidents in relation to this regulator and its installation.

Before you start, make sure that the rifle is unloaded, remove the magazine and make absolutely sure ALL the air is drained from the pressure tube. If there is a pressure gauge, it will give you just an indication. Dry fire the rifle or follow the manufacturer's instructions and double check to make sure all the air is out of the rifle



If the regulator is fitted and there is no output pressure after filling the pressure tube, something might be wrong causing the airflow to block totally.

Please beware even though there is no output pressure, the pressure tube is fully charged with high pressure air!!

If you are not able to relieve the pressure of the pressure tube according to the manufacturer instructions or by dry firing the rifle then:

Contact a professional gunsmith to retrieve a solution!

- **DO NOT try to unscrew or to open the pressure tube in any way.**
- **DO NOT try to pierce/drill or to use force to open the pressure tube or unscrew parts in an attempt to relieve the blocked pressure.**
- **These actions can cause serious injury or death to you or bystanders**

HuMa-Air regulator fitting instructions for the AGN Vulcan III

Sub12 Airgunners made a very informative guide on how to fully disassemble the Vulcan 3 which will be very informative: <https://www.youtube.com/watch?v=KBBuoMx3s5c>

After removal of the action from the stock using a 5mm allen key, drain the gun using this screw using a 2,5mm allen key.



When the gun is completely empty you can unscrew the two locking screws that hold the plenum tube/valve/bottle subassembly in place. The screws are located on the underside of the rear action block, just in front of the trigger assembly. They will require a 4 and a 3mm allen key. You should be able to get past the trigger linkage, but you may wish to disconnect the clevis from the trigger parts, this can be done with a flat bladed screwdriver.



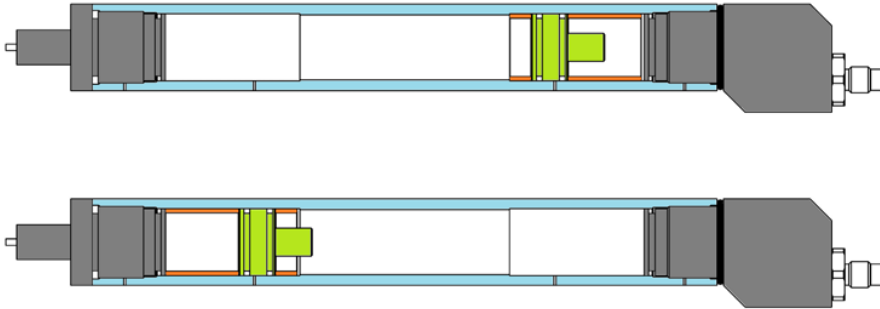
Now you can pull out the complete airtube from the action.



Next step is to unscrew both the front bottle block and the firing valve. This will help you to push out the OEM regulator.



The Vulcan 3 comes equipped with 2 different plenum spacers A short and a long one. And the regulator can be mounted on both the valve side as well as the bottle side. So it lets you choose to make the rifle into a pellet slinger or a slug powerhouse. Be sure to set the regulator to your desired pressure before inserting.

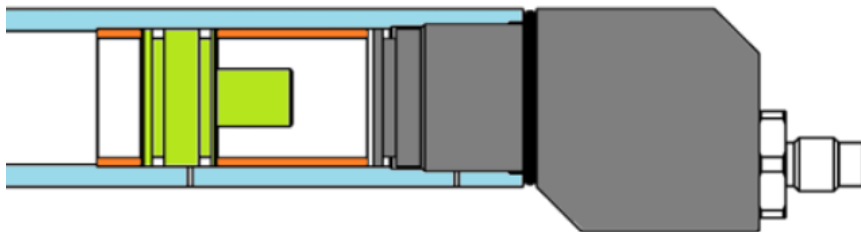


Not: this overview shows our Vulcan II to FX bottle conversion installed which is optional.

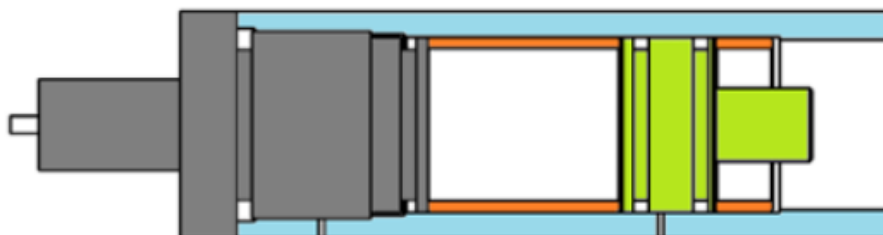
<https://huma-air.com/fx-airguns-bottle-adaptor-for-agn-vulcan-iii/>

Top shows the Large plenum high power configuration bottom the pellet configuration.

The hole in the airtube needs to be on the side of the regulator. For the large plenum configuration insert the small plenum tube first then the regulator and than the large plenum.



For the small plenum configuration insert the large plenum first than the regulator and then the small plenum.



Now assemble the complete rifle in reverse order, fill and check for leaks and you should be done!



Enjoy your HuMa-Air regulated Vulcan 3!