HUMA-AIR.COM

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.

Regulator installation Guideline for Huma-Air Krait regulator GEN2 monoblock

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

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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 guideline can be 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 conformation.
- 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. Follow the manufactures instructions for depresurizing 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 manufacture 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**

First start of by draining all air from the rifle using the hex screw on the right side of the action. Undo this using a 3mm hex key untill you start hearing air escaping. Then slowly let it bleed off

After you don’t hear any air escaping anymore check the gauges for risidual air and dryfore it one tp make absolutely sure you have no air in it.

The regulator is delivered in parts as the action of the rifle will be part of the complete assembly

It should contain the nozzle with 2 orings in a separate bag with 2 valve discs and the regulator body with piston subassembly as well as a HuMa-Air breech sticker to indicate your rifle is equiped with a HuMa-Air regulator.

Make sure that all air is drained by checking the gauge first and then try and dryfire the Krait to make sure it is completely empty.

Now it is time to remove the old regulator from the Krait monoblock. This is done by using a 16mm spanner.

Once this is removed you'll see a brass screw at the bottom of the regulator orifice

Using a 4mm hex key unscrew this brass plug. You'll find an o-ring underneath it. This oring also needs to be removed

Thoroughly clean the complete oring so it is clean and free of any debris or swarf which could possibly interfere with function of the regulator. Below the rifle are all the parts that need to be removed from the monoblock.

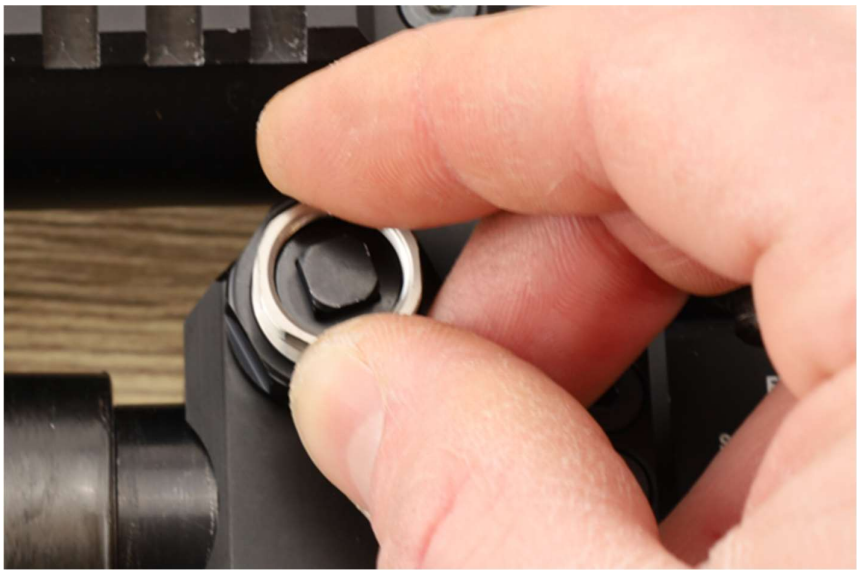
Take the parts from the package and unscrew the piston subassembly from the black regulator body, for assembly you will only need one valvedisc. Extra are supplied in case one might not seal properly

Check the internal oring in the bottom of the groove for damage. Clean the regulator office and apply some lubrication on the nozzle oring and the internal oring. After that carefully install the nozzle. Use some forceps so the delicate nozzle does not get damaged.

Now insert one of the valvediscs (just one) in the black regulator body it should stay in place by the silicone grease that is in the regulator. Note 2 valvediscs are supplied. The 2nd one is a spare in case the first one does not close accurately and you experience some creep on the oring!

Now screw in the regulator body first handtight then followed by a 19mm spanner. It doesn't need to be overtightened but tight enough so the orings are all seated nicely

Now screw in the piston subassembly. This should not require more force than you can exert with your fingers. Screw it in until you feel resistance. VERY IMPORTANT, don't force it.



Now installation of the regulator is finished and you can pressurize your rifle again. Please make sure you have closed the bleedscrew again that was previously used to bleed your rifle.

For setup and testing purposes we recommend using our Bottle regulator testtool to keep waisted air to a miniumim. It can be used instead of the bottle

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https://www.huma-air.com/Test-Tool-For-FX-Dual-Stage-And-Bottle-Regulator

When using this tool it is important to keep the rifle to your fillline.

Now you can start increasing pressure by turning the complete piston subassembly counter clockwise. It should be able to turn this by hand even under pressure. When pressure increases you might need to take a 15mm spanner across the flats of the stainless part. When increasing pressure keep an eye out for the pressure at the back side of the rifle.

Please note that contrary to the Krait Pulldesign regulator, this is a push design regulator. And regulator pressure can only be increased under pressure. If you wish to lower regulator pressure you

will need to bleed off pressure until you are about 20 bar under the intended regulator pressure. Then you can turn in the adjuster in until you start feeling resistance and from there fill and start working up in pressure.

Pressure adjustment is approximately 20 per ¼ turn (15minutes on the clock) of the adjuster.

Set it to your desired pressure and your done! Enjoy Shooting your Airmaks Krait with HuMa-Air regulator

Note:

If you want to remove the nozzle at one time or another. You can do so by pushing from the hole in the monoblock opposite the regulator orifice. To reach this you need to unscrew the gauge.

After unscrewing the gauge you can use a small pin to push out the nozzle.