



## VS-02 PICRA NETGUN

Owner's manual



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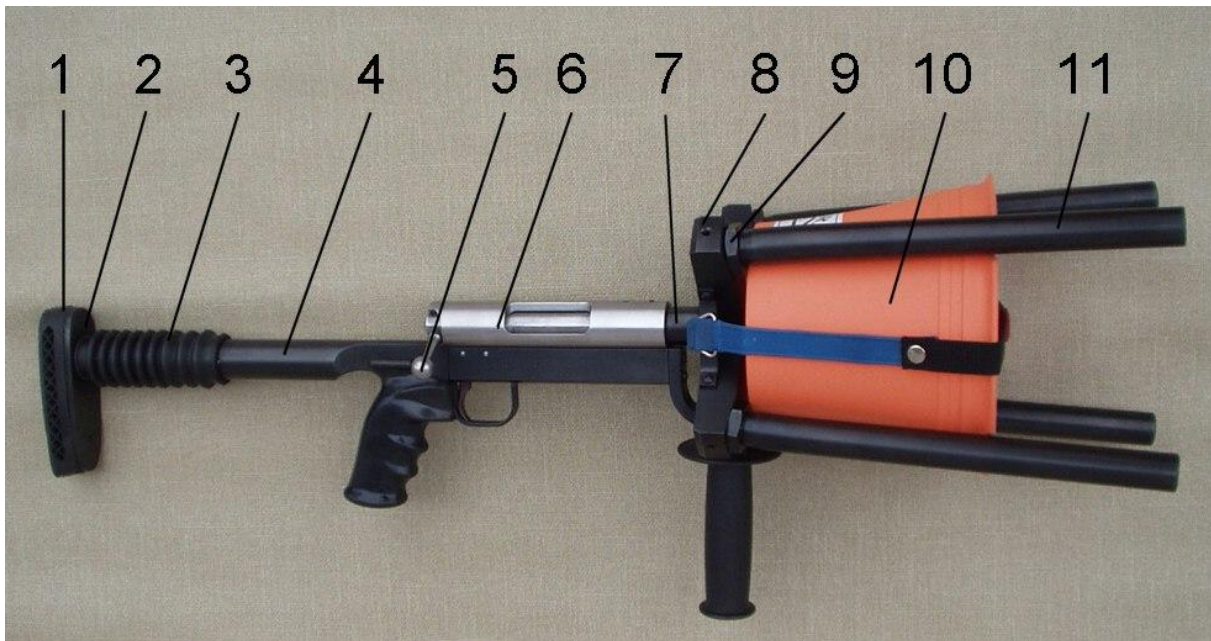
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**WARNING:**

DO NOT USE THIS DEVICE IF YOU DON'T READ UP FULLY THE INFORMATION HEREIN TO USE !

PERSON USING THIS RIFLE MUST USE UNCONDITIONALLY THE GLASSES OR OTHER EYE PROTECTION !

## VS-02 Picra netgun



1. Rubber facing pad
2. Butt
3. Recoil compensator
4. Grip
5. Bolt handle
6. Lock case
7. Charge chamber and outlet into distributor
8. Gas distributor
9. Barrels arresting nut
10. Net basket
11. Barrels

Picture no. 1

**Technical details:**

Caliber:	308 WEX
Weights propellant:	4x 300g
Total length:	820mm
Total weight:	7600g
Range of fire:	acc. to net size 12 – 18 m

## **GENERAL INFORMATION**

Picra netgun successfully passed recoil and chamber pressure safety tests. It is designed to catching a variety of animals and birds for studying, testing, providing medical treatment, banding, tagging, or otherwise marking, attaching telemetric devices, transporting, etc. The Picra netgun belong under the laws among the expansive discharge device. It is a subject of piece verification by Czech Office for the testing of weapons and ammunition. The producer forbids to do any kind of adjustment. It would thus dispute piece verification of the ČUZZS and come to a break the rules of law about weapons and ammunition.

## **WARNING**

Although the Picra netgun is classified as an expansive device, used improperly can cause damage to equipment and serious injury. Nobody should ever shoot a gun without a full examination of the technical instruction from this manual and without get to know the gun. If you do not understand the manual and instructions, or you find it incomplete, please contact company Picra before using the netgun. Inexperienced persons we recommend the training to use the information of people who are already know how to use the gun. This manual will help you to ensure the safety of you and all those involved.

**PLEASE, READ CAREFULLY ALL INFORMATIONS BEFORE USING THE RIFLE FOR SHOT THE NET!** Pay special attention to safety recommendation.

## **TABLE OF CONTENT**

- 4 pieces internal weights set
- 4 pieces external weights set
- wrenches
- file
- “O“ ring Ø11x3mm (4x)
- “O“ ring Ø19x3mm (4x)
- cleaning brush
- cloth
- 2x net

## DESCRIPTION OF THE NETGUN

VS-02 netgun is designed for catching a variety of animals and birds for studying, testing and providing of medical treatment, banding, tagging, or otherwise marking, attaching telemetric devices, transporting or moving and capture of escaped animals. This gun is a manual device which uses the gas expansion from the caliber .308 WEX for shooting of the weights set. After shot the launched weights pull the net out of the basket and throw it on the animal.

Cartridges, used for netgun, caliber .308 WEX, red. For safety reasons, do not use other blank cartridges. The use of other blank cartridges will void all warranties and may cause a serious threat to both the user and around standing persons.

### **RECOIL COMPENSATOR:** (pic.Nr.1)

The grip butt (2) is cushioned towards the grip (4) and its partially turning. This rotation provides comfortable and secure seating of the stock against the shooter's shoulder as he/she rotates the netgun to improve their shooting advantage. The built-in shock absorbing feature of the stock and recoil (3) pad reduces the recoil felt by the shooter.

### **LOCK CASE:** (pic.Nr.1)

The lock case is mounted (6) to the steel grip by means of screws. The whole lock case is designed very massive, with sufficient security.

**WARNING: DO NOT ATTEMPT TO REMOVE THE CHAMBER FROM THE LOCK CASE. IT MAY DAMAGE BOTH THE CHAMBER AND LOCK CASE AND IT IS ALSO A FORBIDDEN OPERATION. CONTACT PICRA COMPANY FOR HELP OR CONSULTATION. IT IS ALSO TAMPERING.**

### **TRIGGER:** (pic.Nr.1)

The trigger is pre-adjusted for maximum resistance and length of trigger travel. Generally, the shooter is bounced around in the helicopter or in the back of a truck during the pursuit of an animal. This adjustment prevents accidental firing of the netgun. Once the shooter has fired the netgun several times, he/she easily adapts to the firm and long trigger pull.

### **GAS DISTRIBUTOR:** (pic.Nr.1)

The gas, cross distributor (8) is the gas distribution center that channels the gas from the chamber (7) to the barrels (11) of the netgun. Normally, the gas distributor is maintenance free; the high gas pressure prevents setting of gunpowder residue. The interior of the gas distributor may be cleaned by removing the set screws located at the end of each distributor stem and using the small wire brush, provided in the tool kit, to brush away residue build-up in the distributor and stems. Screw in the set screws after cleaning. Apply a thread lock material to the screws' threads before reassembly. LOCKTITE is used by the manufacturer.

## NET BASKET

Attach plastic net basket (10) the barrel assembly by placing the container between the barrels and hooking the rubber strap on the brace located on the side of the gas distributor (8). Various containers are available. It depends on the kind of catching animals.

## HANDLING THE NETGUN.

### **NEVER LEND THE NETGUN TO ANYONE UNTIL HE OR SHE HAS BEEN FULLY TRAINED IN THE NETGUN USAGE AND SAFETY.**

While the shooter has the netgun in the hand, he is entirely responsible for his/her safety and safety of others. Principles of safe gun handling stand in the use of gun in the first place.

**ALWAYS** take into consideration that the gun is loaded.

**NEVER** point the netgun at anything you do not want to catch.

**NEVER** hand the loaded netgun to another person.

**NEVER** clean, show, store or transport a loaded netgun.

**ALWAYS** wear eye and ear protection when shooting with the netgun.

**ENSURE** that all nuts and bolts are secure before shooting.

Recheck tightening of the mounting screws of lock case.

**ENSURE** that the gun barrels are free of any obstructions including mud, dirt, snow, excess grease, heavy oil, or foreign matter of any kind.

### **SHOOTING THE NETGUN:**

Push the butt cap of the grip firmly into the shoulder, but not so tightly that it collapse the recoil stock system – and grasp the grips firmly in both hands.

Hold your head up and away from the gun grip. **NEVER REST YOUR HEAD AGAINST THE NETGUN.** The recoil mechanism permits a rearward movement of the gun when fired. This movement could cause injury if the shooter were to rest his head against the stock as when firing a rifle or shotgun.

Lean forward, spread feet apart and expect a recoil slightly greater than that of 12 gauge shotgun. Fire by press the trigger.

**DRY FIRING WITHOUT OILING MAY DAMAGE THE FIRING PIN.**

### **BLANK CARTRIDGES:**

Do not replace the cartridges, determined by manufacturer, for other cartridges. There are many kinds of cartridges on the market that are intended for different purposes. Each kind has different characteristics and pressures. A substitution could damage the gun and/or injure the shooter. The blank cartridges .308 WEX, with red color coding, are designed especially for the VS-02 Picra netgun.

**DO NOT EXPERIMENT!!!** The use of any other cartridges will cancel the warranty of VS-02 Picra netgun.

### **TRIGGER SAFETY:**

The bolt of the receiver is the netgun's safety. When the bolt handle is in the raised position the netgun will not fire. When bolt lever is lowered into the locked position, the netgun is ready to fire. A live blank should not be placed into the chamber until the shooter is not ready to shoot. Lock the bolt closed (armed) just seconds before pulling the trigger. The shooter's finger should not be on the trigger until the netgun is not ready to shooting.

The Picra netgun does not have mechanical safety for several reasons. Too often gun safety depends totally upon a gun's mechanical safety device. Some safeties do not have positive or totally safe "on" and "off" positions. It is possible for a gun to fire while the safety is "on" or the safety is released if the trigger had been pulled while the safety was engaged – without your touching the trigger again. Also, the netgun may fire when the safety is positioned between "on" and "off". Shooters have been known to play with the safety switch, unconsciously, inadvertently leaving the safety off. Relying on a mechanical safety is marginally safe at the best.

The shooter's control of the receiver bolt's position provides more safety during the stress, excitement and distractions of capture work than a mechanical safety device. It also make the shooter more alert and conscious about extracting if a blank should not be fired during a capture effort. Again, the blank should not be in the chamber until the latter stages of pursuit and the receiver bolt should not be locked until seconds before the net is to be deployed. Immediately extract the blank cartridge from the chamber if the pursuit is aborted. ACCIDENTS HAVE OCCURED WHEN THIS PROCEDURE HAS BEEN IGNORED.

### **NETS:**

Inspect webbing attaching the weights to the net. Look for signs of wear that may weaken the webbing beyond safe use. Also check the cordage on the net where the weight attachment webbing joins the net. Replace worn cordage to prevent the weights from becoming detached upon deployment. A stray weight can be very dangerous. Any knots used in net repair can be further secured by applying glue to the knots.

### **INSERTING WEIGHTS INTO BARRELS:**

Lightly lubricate the "O" rings on the weights before inserting the weights into the barrels. The grease lubricant delivered with the netgun will not cause the "O" rings to wear or otherwise deteriorate – other lubricants may. Use a grade of "O" ring lubricant. Occasionally apply a small amount of "O" ring lubricant to the inside of the barrels with your finger.

Proceed in the same way with the external weights covered with rubber fins, which are used for capturing small animal and birds.

Insert the weights of the net their full length into the barrels. DO NOT INSERT the weights all the way at the bottom of the barrels. Gas pressure developed in the distributor and barrels when the netgun is fired increases as the weights are inserted deeper into the barrels. As gas pressure increases the recoil felt by the shooter also increases. This additional pressure and the subsequent recoil increase may be sufficient to injure the shooter and will wear and stress the netgun unnecessarily. When you use external weights, put the weights tightly on the barrel.

### **WEIGHTS:**

**NEVER** force the weights of the net into the barrels. An extra tight fit or restriction will increase pressure and may damage the gun or injure the shooter. The “O” rings on the weights provide proper gas seal and prevent the weights from sliding out of barrels when the front of the gun is lowered.

To provide safe and efficient output, the weight of the weights is in relation to the gas pressure produced by the cartridges. Experimenting with different weights could be dangerous. Contact the manufacturer for more information.

While capturing with netgun, check the weights for burrs that may result from a weight hitting a hard surface such as rock. Remove the burrs with the file provided in the tool set.

**CAUTION: WHEN USING PADDED WEIGHTS, A SHOOTER MUST WEAR EYE PROTECTION (GLASSES AND/OR GOOGLES). THIS PROTECTION GUARDS AGAINST “RECOIL” CREATED WHEN THE PADDED WEIGHTS ARE PROJECTED FROM THE BARRELS AS NETGUN IS FIRED.**

### **LOADING NET INTO CONTAINER:**

Before loading, spread the net and eliminate all tangles and debris. Moving either clockwise or counter clockwise around the net, gather the weights in one hand, keeping them in the same order they were collected. Do not cross the weights or twist the strands of netting. Each strand of the net, when the weights are held high, should trail down from the weights and not be twisted or tangled with other strands. If the position of the weights is switched around the net will be tangled when fired from its container.

Hold the weights high above your head, permitting the net to trail down from the weights. Insert the portion of the net furthest from the weights into container first and continue to feed the net into the container, without twisting the net, until all of the net is in the container. Continue to hold the weights in their respective positions and insert them into the netguns’s empty barrels. The mis-matching of weights and barrels will cause the net to tangle when fired from the container. Fasten velcro tipped straps to contain the net and prevent the it from falling out.

When loading a net into a container or canister not attached to the netgun, place weights in the corner (of the container) corresponding to that weight’s respective barrel.

Insert the weights into the barrels until the net-end of each weight is flush with the mouth of each barrel. Weights may be inserted deeper into the barrels to increase pressure and consequently to increase the net’s projection; however, this adds to the recoil feel by shooter. Never insert a weight deeper than 20 mm below the mouth of a barrel. Under normal circumstances, weights should never require insertion deeper than flush with the mouth of each barrel. **USE CAUTION.**

### SUMMARY:

1. Keep corresponding weights and barrels positioned respectively.
2. Do not switch the positions of the weights while loading the net or inserting the weights.
3. Do not twist the net while placing it into the container.
4. Lubricate the “O” rings on the weights before inserting the weights into the barrels. Occasionally lubricate the inside of the barrels.
5. The velcro tipped straps contain the net in its container. Should a strap be lost or otherwise non-functional, masking tape may be used to contain the net. The masking tape will tear away when the netgun is fired and will not interfere with the net’s deployment.

### LUBRAICATION AND CLEANING:

Clean and lubricate the netgun after each use. Pay a special attention to the cleanliness of the blank cartridge chamber, the gun receiver, and the bore of the barrels.

### DO NOT ATTEMPT TO REMOVE THE CHAMBER FROM THE RECEIVER – TO DO SO WILL DAMAGE BOTH.

To completely clean and examine the barrel/gas distributor assembly, which is rarely required, remove all M8 screws from the distributor. Visual inspection and subsequent cleaning are now possible. It is optimal to purge the chamber and distributor with compressed air. During reassembly, secure the screws with a liquid thread lock such as LOCKTITE.

Before using the netgun, remove all oil from the outside of the receiver bolt and from the inside of the receiver. Dirt accumulation, mixed with the oil and grease on the receiver’s action, will form a gummy residue that causes the bolt to work stiffly or not at all.

The netgun is subjected to more dirt and grime than a sporting rifle, so keep it clean. During extremely cold weather, oil on or in the bolt assembly may freeze or gel. This may prevent the bolt from sliding easily or the firing pin from functioning properly. A dry bolt during the capture operation will not shorten the life of the bolt assembly. During the capture day, frequently clean the bolt and receiver with a soft dry rag.

### UNSUCCESSFULL SHOOTING

Should the blank cartridge fail to detonate, wait 30 seconds before removing the blank. Continue to hold the netgun securely and keep the netgun pointed in a safe direction until the blank is removed. Check the primer of the blank cartridge. If the firing pin did not dimple the primer the normal amount, then suspect that the firing pin is frozen up due to cold temperature ( -10°C or colder) or dirt is interfering with the movement of the firing pin. Thawing and/or thorough cleaning will be required to return the firing pin to its normal functioning condition.



Dip, soak and stir the bolt in a solvent. If available, air from a pressurized air hose will facilitate cleaning dirt from inside the bolt assembly. A good non-flammable solvent is carbo-chlor. It dries quickly and leaves no residue.

DO NOT STORE THE RIFLE WITH AN EXTENDED MAIN MECHANISM. THE GUN STORAGE WITH EXTENDED MECHANISM TAUT WEAKENS THE MAINSPRING AND LEADS TO THE FAILURE OF THE SHOOTING.

**STORAGE:**

When not using the netgun, store the cleaned unloaded netgun and blanks in a dry, clean and locked area. Release the tension on the firing pin spring by pulling the receiver bolt back, as if to load a blank cartridge, ensure that chamber is empty, pull trigger and hold it back, slide bolt forward and lock down, release the trigger.

**WARNING:**

NEVER LEND THE NETGUN TO ANYONE UNTIL HE OR SHE HAS BEEN THOROUGHLY TRAINED IN BOTH SAFETY AND USAGE.

ALWAYS CONSIDER THE NETGUN LOADED. NEVER POINT THE NETGUN TOWARDS ANYTHING YOU DO NOT INTEND TO CAPTURE.

NEVER HAND A LOADED NETGUN TO ANOTHER PERSON.

NEVER STAND IN FRONT OF THE NETGUN.

NEVER PERMIT ANYONE TO STAND IN FRONT OF THE NETGUN.

NEVER CLEAN, DISPLAY, STORE OR TRANSPORT A LOADED NETGUN.

ALWAYS WEAR EYE AND EAR PROTECTION WHEN SHOOTING THE NETGUN.

ENSURE THAT ALL NUTS AND BOLTS ARE SECURE BEFORE FIRING THE NETGUN.

## **INSTRUCTIONS FOR SELECTION OF NETWORK**

To select a net, that is suitable for the animal species, is necessary to consider the mesh size, strength, fiber strength and distance, at which the net has to be fired according to terms of capture. The distance can be various according to used way of catching, i.e. whether it is a capture from a helicopter, or the vehicle from the ground to the ground of the hide on a tree on the ground, etc.

The following information is presented to aid in the selection of the network.

Net size (m)	Mesh dimension (m)	Tensile strength (N)	Kinds of animals
5x5	0,2	5000	Horse, cow, donkey
3,5x3,5	0,15	1600	Deer, sheep, goat
3x3	0,10	800	dog, wolf , deer , pig, large birds
3x3	0,06	500	small mammals , larger birds

NOTE: Results from practice suggested effective capture of listed species used net design dimensions. This table is only a simply mentor. The list does not include everything, nor does it limit the size of specific suggesting that the size requirements of the network will also vary. The ultimate responsibility for selecting the size of network to achieve efficient capture rests with the user.