

JET PROTECTOR® JP-401

high performance jet launchers JP-402



**Irritant agent launching system
for professional users**

INSTRUCTION & SAFETY MANUAL



**READ CAREFULLY BEFORE
USING YOUR JET PROTECTOR**

Important remarks

Name: Prenom:

JP-401: JP-402:

READ THESE INSTRUCTIONS AND WARNINGS CAREFULLY. BE SURE TO UNDERSTAND THESE INSTRUCTIONS AND WARNINGS BEFORE USING THIS JET PROTECTOR.

It may be against the law to possess or own a JET PROTECTOR in some states or jurisdictions. Check with your local police department should you have any questions.

This INSTRUCTION & SAFETY MANUAL should always accompany this JET PROTECTOR and be transferred with it upon change of ownership or when the JET PROTECTOR is loaned or presented to another person. If you have lost this INSTRUCTION & SAFETY MANUAL, please contact us. We will provide you with a new one.



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Safety Instructions and Warnings

The JET PROTECTOR is a very effective and reliable non-lethal defensive system. It is designed to launch an irritant agent jet to incapacitate a target from safe distance without causing death or permanent injury. However, safe handling of the JET PROTECTOR is your personal responsibility. The JET PROTECTOR may be harmful and dangerous if handled faulty.

Do not allow any alternation or replacement of parts in your JET PROTECTOR unless performed by the Importer or by an appointed gunsmith using genuine Piexon parts. If you do otherwise, improper functioning and serious injury may result. Incorrect handling and insufficient maintenance may affect function and safety of your JET PROTECTOR. Read and follow these instructions carefully. Do not use your JET PROTECTOR unless you fully understand these instructions and the safety operations.

Basic Rules

- Before handling the JET PROTECTOR, understand its operation.
- Always have your JET PROTECTOR pointed in a safe direction. Never point at anyone or anything unless intending to use.
- Treat every JET PROTECTOR as if it were loaded.
- Do not allow the JET PROTECTOR to be used by individuals who are not familiar with its safe operation.
- Keep the safety distance as stated on the cartridge packing.
- Keep the JET PROTECTOR under lock and key and away from children. Store your JET PROTECTOR unloaded and separately from the cartridges. Safe and secure storage is your responsibility!
- Use only original cartridges for your JET PROTECTOR as well as original equipment, such as holster which is compatible with the JET PROTECTOR and does not interfere with safe operation.

Warranty

Piexon provides you with a high quality product. Nevertheless defects may occur. Piexon hereby warrants to you a repair service free of charge for a warranty period of 12-months from the date of purchase.

Any implied warranties, including those of merchantability or fitness for a particular purpose are excluded. Piexon's obligation under this warranty is limited to repair or replacement of the defective unit which is returned to us or our importer in your country within the 12-months warranty period. The above remedy is exclusive and shall not apply if the unit has been subject to misuse or abuse. Expressly excluded from this warranty are defects caused by faulty handling. Piexon shall not be liable in all respects neither for faulty manipulations on the mechanism, nor for damages caused by resorting to force, nor for all modifications made by third parties. Please, keep the receipt of the purchase together with the address of the manufacturer.

Under no circumstances shall Piexon be responsible for incidental or consequential damages with respect to economic loss or injury to person or property, whether as a result or breach of express or implied warranty, negligence, or otherwise. Piexon will not be responsible for the result of careless handling, unreasonable or illegal use.

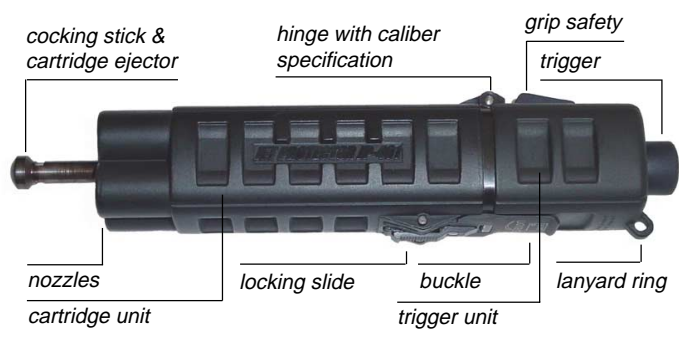
Don't forget to indicate the individual serial number of your JET PROTECTOR when you claim a warranty service. The individual serial number is located on the base plate of the trigger unit. If you have questions about your JET PROTECTOR, please contact our importer in your country or Piexon directly.



*serial number
on base plate*

Product overview

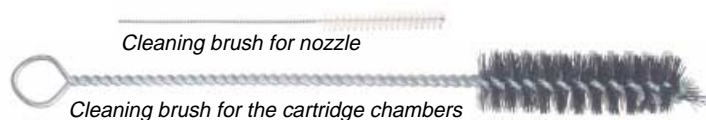
Controls of the JET PROTECTOR:



Cartridges for the JET PROTECTOR:



Accessory:



Cartridges 14 mm piexon

The JET PROTECTOR fires special cartridges in the caliber 14 mm piexon. Different types of cartridges are available as practice cartridges filled with coloured liquid as well as live cartridges filled with different pepper solutions.

The cartridges are equipped with a pyrotechnic charge which will be mechanically ignited by a firing pin. Note the caliber specification on the hinge of the device and the safety informations on the cartridge packing. Only use the appropriate type of cartridge!



THE IRRITANT AGENT AND ITS EFFECTS

Capsaicine or Oleoresin Capsicum (OC) is the extract of the natural Cayenne pepper plant. OC is the most effective irritant agent and is successfully used by professionals (police and armed forces, law enforcement, prisons) as well as by private persons all over the world. OC has been proven superior to CS and CN tear gas in use against persons under the influence of drugs, alcohol or psychotics. The liquid pepper solutions for the JET PROTECTOR are filled in the special cartridges in the caliber 14 mm piexon. The specification of the agent solution is notified on the cartridge packing.

After having fired the JET PROTECTOR the irritant agent becomes effective immediately after having hit the aggressor's face with the liquid jet. The strong physical impact caused by the liquid jet as well as the inflammatory effects of the OC irritant agent instantly interrupt the forward movement of an aggressor in order that he won't be able to finish his attack. The OC works rapidly as an inflammatory agent to eyes, mucuos membranes and respiratory system resulting in temporary blindness, coughing and nausea with extreme discomfort.

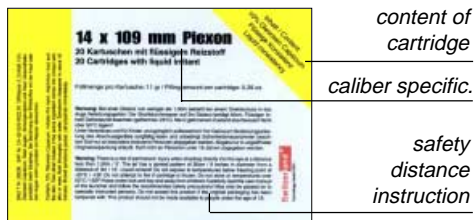
The eyes of the suspect will instinctively get shut after being struck by the irritant agent. The high velocity of the irritant jet let the agent penetrate even behind eyeglasses and through face masks (cloth masks and masks with eye openings). The temporary blindness leads to an instant incapacitation of the suspect which lasts for about 10 to 30 minutes. Then the symptoms will disappear with no after-effects.

FIRST AID MEASURES

Remove contact lenses and contaminated clothing. Contaminated clothing should be washed prior to re-wearing to prevent irritation. Flush contaminated area with large amounts of cool water and expose area to fresh air. Do not apply salves, creams, oils or lotions as they can trap the irritant agent against the skin and may prolong recovery. Symptoms disappear in about 45 minutes. If symptoms persist, call physician immediately.

WARNING

A direct hit in the eye at close distance of less than 1,5 meter (5 ft) may cause risk of injury. Be aware of the particular safety distances notified on the cartridge packing.



Only use original cartridges manufactured by Piexon for your JET PROTECTOR. The pyrotechnic charges in the cartridges were designed to launch only LIQUIDS. By using the JET PROTECTOR correctly and by respecting the safety distances specified on the cartridge packings no lasting injury on a suspect will occur.

Never use other loadings for your JET PROTECTOR as projectile ammunicions and the like nor clone cartridges which are not provided from Piexon. This may cause destruction of the device and lasting injury either on you or on the aggressor. Never fire cartridges in frozen condition! Pay attention to the explications on the correct handling and manipulation of the JET PROTECTOR! The JET PROTECTOR and the cartridges are no toys and shall be strictly kept away from the hands of children.

Using the JET PROTECTOR

On principle the handling of the JET PROTECTOR is to with the wellknown professional flashlights. This special handling was chosen for the following main reasons:

The JET PROTECTOR is dedicated to non-lethal force and its operation should always be clearly distinguishable from lethal force (firearm), even in twilight or under bad weather conditions to avoid an escalation of a confrontation with an aggressor. The JET PROTECTOR requires approx. the same space at the officers belt as the pepperspray can if carried in the holster. Even under stress the officer can clearly distinguish non-lethal from lethal force to prevent confusion.



firing position

Familiarize yourself with the handling before using it. Use the special practice cartridges for training purpose. Hold the Jet Protector as shown above.

Press the grip safety with your fore- or middle finger. Press the trigger with your thumb until the firing pin will be released. Let the trigger completely slide back in its starting position. The JET PROTECTOR automatically switches over to the next charge by repeatedly pressing the trigger. In cocked condition it can make four shots one after the other. The red marks next to the trigger indicate the number of shots that are available.



grip safety and trigger

It is foreseen to carry the JET PROTECTOR in cocked condition in the holster. The cocked firing pins are protected against accidental release in case of dropping of the device by an automatic firing pin safety (max. height 1,5 m). The additional grip safety has to be pressed first before the trigger is engaged. If the grip safety is not pressed, the trigger can't be released. The grip safety can only be pressed by entirely embracing the device with the firing hand. The grip safety prevents accidental discharge in case of dropping of the device. Always keep the muzzle of the cocked device pointed away from your body in a safe direction in order not to hurt yourself or other persons with an accidental discharge.

ACCURACY AND RANGE

Aim at the face of an aggressor as the irritant agent only takes effect over the mucous membranes (mouth, nose, eyes). The unique handling of the JET PROTECTOR together with the especially developed nozzle system guarantees a very high accuracy.



hit pattern

The effective range for the JP-401 is 6 meters (20 ft), for the JP-402 4 meters (13 ft). The diameter of the jet at the maximum range (JP-401: 6 meters; JP-402: 4 meters) is approx. 20 cm (8 inches). An aggressor will be reliably stopped by a hit in the face.



range and diameter of the jet

Caution: A direct hit in the eye at close distance of less than 1,5 meter (5 ft) may cause risk of injury. Be aware of the particular safety distances notified on the cartridge packing.

Function

Principle - Always treat the JET PROTECTOR as if it were loaded as long as you are not sure of the contrary. Always execute an unloading control on your JET PROTECTOR each day when you pick it up for the first time.

After having fired the device the nozzles may be contaminated with the irritant agent. Always shake off the remaining substance from the nozzles area by swinging the device strongly towards the floor.

Caution: Residues of the irritant agent in the nozzles may contaminate or soil skin and clothing.

LOADING

1. Opening of the device - Open the lock (press and push the locking slide in direction of the muzzle simultaneously with your thumb until the buckle is disengaged) and open up the JET PROTECTOR.



opening of the lock

2. Control of the barrels - Take a look into the barrels and the nozzles to check if there are no soilings or alien elements.

3. Loading - Insert one cartridge in each of the four barrels in a way that the coloured marking rings at the end of each cartridge are directed to the trigger unit. Press the cartridges fully into the barrels up to their stop.



loading of new cartridges

4. Closing of the device - Close the JET PROTECTOR. The lock must be audibly engaged. Make sure the lock is really engaged and safely bolted!

Caution: Never swing back the trigger unit hardly on the loaded cartridges as the firing pins standing out of the base plate may cause an accidental ignition.

5. Cocking - Cock the JET PROTECTOR by vigorously pressing the cocking stick. In cocked condition 4 red marks (rear end of firing pins) next to the trigger occur which indicate the 4 loadings ready to be fired. The number of visible red marks inform about the number of loadings that are available (Loading indicator). **Always load all 4 barrels as you may not recognize which barrels are empty if the JET PROTECTOR is closed.**



loading indicator

UNLOADING:

1. Opening of the device - Open the lock and open up the JET PROTECTOR.

2. Ejecting - Lift the ejector by pressing the cocking stick and remove the cartridges. First you possibly have to loosen the cartridges in their barrels by pressing the cocking stick vigorously against a hard surface. Be sure that the cocking stick is pressed up to its stop.



ejecting the fired cartridges

3. Closing of the device - Close the JET PROTECTOR. The lock must be audibly engaged.

4. Uncocking - Turn the JET PROTECTOR in a safe direction where nobody may be endangered and pull the trigger repeatedly as long as all firing pins will be released. Make sure that none of the red marked ends of the firing pins are visible anymore (loading indicator).

RELOADING

1. Opening of the device - Open the lock and open up the JET PROTECTOR.

2. Ejecting - Lift the ejector by pressing the cocking stick and remove the fired cartridges. First you possibly have to loosen the cartridges in their barrels by pressing the cocking stick vigorously against a hard surface. Be sure that the cocking stick is pressed up to its stop.

3. Loading - Insert one cartridge in each of the four barrels in a way that the coloured marking rings at the end of each cartridge are directed to the trigger unit. Press the cartridges fully into the barrels up to their stop.

4. Closing of the device - Close the JET PROTECTOR. The lock must be audibly engaged. Make sure that the lock is really engaged and safely bolted!

5. Cocking - Cock the device by vigorously pressing the cocking stick. In cocked condition 4 red marks (rear end of firing pins) next to the trigger occur which indicate the 4 loadings ready to be fired. **Always load all 4 barrels as you may not recognize which barrels are empty if the device is closed.**

Caution: In case of a misfire hold the JET PROTECTOR pointed in the line of fire for 30 seconds. Then unload it as prescribed.

UNLOADING CHECK

1. Opening of the device - Open the lock and open up the JET PROTECTOR.

2. Control of the barrels - Take a look into the barrels to check that there are no cartridges inserted.

3. Closing of the device - Close the device. The lock must be audibly engaged.

4. Loading indicator - Make sure that next to the trigger there are no red marked ends of the firing pins visible anymore.

FUNCTION CHECK

If the cartridges drop from a height of more than 1m (3,3ft) they have to be disposed. If the JET PROTECTOR in cocked condition drops from a height of more than 1m (3,3 ft) a function check as prescribed has to be executed:

1. Unloading of the JET PROTECTOR

2. Releasing - If the JET PROTECTOR was cocked before dropping release all firing pins and check if the firing pins are standing out from the base plate.



released firing pins on the base sheet

3. Cocking - Cock the JET PROTECTOR. Check if all firing pins have been cocked (four red marks next to the trigger). Release all firing pins and check if all firing pins are standing out from the base plate.

4. Grip safety - Check the function of the grip safety.

5. Hinges - Check if the hinges and the locking mechanism are intact.

6. Cocking stick - Check if the cocking stick may be moved back and forth normally.



check of the cartridge ejector

If your JET PROTECTOR isn't working faultlessly, it has to be checked by an authorized expert.

Cleaning, Maintenance and Storage

Always execute an unloading check before cleaning the JET PROTECTOR. After use clean the JET PROTECTOR thoroughly with soap water as otherwise the barrels and the nozzle area get glued or residues of the agent may adhere on the device. Blocked nozzles may cause malfunction.



cleaning of the barrels and nozzles with soap water

Caution: the trigger unit shall not get wet!

Clean the barrels and the nozzles with soap water by using the brushes provided with the JET PROTECTOR. Use only this special accessory to clean your JET PROTECTOR. Dry the JET PROTECTOR afterwards and oil the ejecting mechanism, the cocking stick, the locks and hinges carefully with weapon oil. Keep in mind to oil the trigger unit periodically.

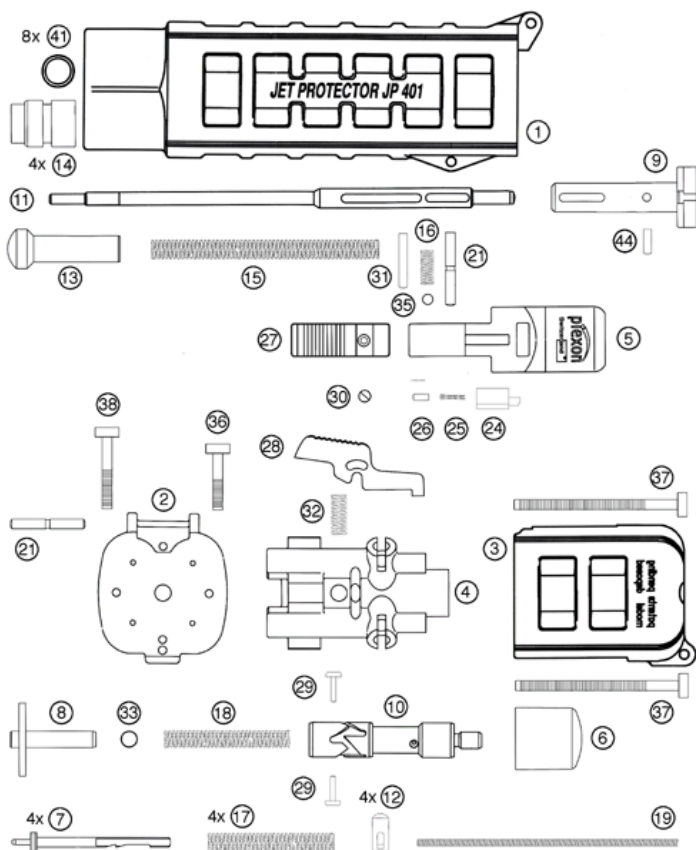


greasing of all moveable parts

Caution: Repair work on your JET PROTECTOR shall only be made by an authorized expert.

Always unload the JET PROTECTOR before storing it at a safe place. Store the JET PROTECTOR and the cartridges under lock at two different places and keep them away from children. Store the JET PROTECTOR under dry condition to avoid corrosion

Parts List



Key to numbers used in parts list:

- | | | |
|----------------------|--------------------|------------------------|
| 1. cartridge unit | 15. cocking spring | 30. screw |
| 2. base plate | 16. lock spring | 31. safety bolt |
| 3. body trigger unit | 17. striker spring | 32. grip safety spring |
| 4. casing | 18. trigger spring | 33. steel ball |
| 5. buckle (lock) | 19. ring spring | |
| 6. trigger button | | 35. steel ball |
| 7. firing pin | 21. bolt | 36. screw |
| 8. cocking stick | 22. bolt spring | 37. screw |
| 9. ejector | | 38. screw |
| 10. steering unit | 25. bar spring | |
| 11. loading stick | 26. bolt | 40. O-ring |
| 12. stop | 27. locking slide | 41. O-ring |
| 13. cocking head | 28. grip safety | |
| 14. nozzle | 29. bolt | 44. ejector bolt |

Technical Data

JET PROTECTOR type	JP-401	JP-402
Overall length:	9.25" (23.5 cm)	8.07" (20.5 cm)
Length body:	7.48" (19.0 cm)	6.30" (16.0 cm)
Width:	1.71" (4.35 cm)	1.71" (4.35 cm)
Height:	2.09" (5.30 cm)	2.09" (5.30 cm)
Weight empty:	26.5 oz (750 g)	25.4 oz (720 g)
Weight loaded:	30.7 oz (870 g)	29.1 oz (825 g)
Caliber:	14 x 109 mm piexon	14 x 84 mm piexon
Maximum range:	20 feet (6 m)	13 feet (4 m)
Capacity:	4 cartridges	4 cartridges
Velocity of liquid jet:	268 mph (430km/h)	311 mph (500 km/h)
Stream opening:	8" (20cm) by 16.5ft (5m)	8" (20cm) by 13ft (4m)
Stream decrease:	< 6" (15cm) by 16.5ft	< 4" (10cm) by 16.5 ft
Agent volume p. cartridge:	0.4 oz (11 ml)	0.3 oz (8 ml)
Ignition:	mechanical	mechanical
Change over mechanism:	semiautomatic	semiautomatic
Trigger resistance:	6.6 pounds (3 kg)	6.6 pounds (3 kg)
Drop proof:	up to 5 ft (1.5 m)	up to 5 ft (1.5 m)