

**EUROP-ARM**

Depuis 1973

## Waldo Dynamics Ion VFC nozzle springs

<https://europarm.fr/en/produit-21997-Waldo-Dynamics-Ion-VFC-nozzle-springs>

**NEW**

| SKU    | Designation                 | French Law  | Colors | MSRP                 |
|--------|-----------------------------|-------------|--------|----------------------|
| A61350 | WALDO VFC NOZZLE SPRING ION | Vente libre | Red    | 14.50 €<br>incl. tax |

**115% reinforced nozzle springs to improve the reliability of the cycle on compatible VFC GBB replicas.**

**Waldo Dynamics Ion nozzle springs** replace the original springs on many **VFC, APFG, and Maruyama** platforms. Their **115%** spring rate ensures a crisper return while maintaining balanced operation. Sold in pairs, they allow for an upgrade and provide an immediate spare spring.

- **Brand:** Waldo Dynamics
- **Model:** Ion
- **Type:** Nozzle spring for GBB replica
- **Tare weight:** 115%
- **Material:** Steel
- **Finish:** colored treatment bonded directly to the steel, designed not to flake.
- **Packaging:** 2 springs
- **Compatibility:** VFC G3
- **Compatibility:** VFC HK53 / HK33
- **Compatibility:** VFC AR / 416 V3 / EVO
- **Compatibility:** VFC AK74 / AKS74U / AK105 / PP19 original configuration
- **Compatibility:** VFC UMP45 / UMP9
- **Compatibility:** VFC SR25 / 417 / M110
- **Compatibility:** VFC MDX / PDX
- **Compatibility:** VFC FNC
- **Compatibility:** VFC FAL / OSW
- **Compatibility:** APFG MCX / MPX
- **Compatibility:** Maruyama ISO556
- **Compatibility:** Marksman K1A

## **A reinforced spring to replace the original part**

**Waldo Dynamics Ion nozzle springs** were developed as a more durable alternative to the springs originally fitted to various **VFC GBB** replicas. This small part is subjected to significant stress with each cycle and may require replacement after repeated use.

**Waldo Dynamics** therefore worked on several prototypes to improve durability without falling into the trap of an excessively powerful spring. The objective remains simple: to maintain the mechanical function intended by the original design while increasing the reliability of this wear part.

### **Set to 115% for a more direct feedback**

The **Ion** spring has a spring rate of **115%** . The increase is intentionally moderate in order to obtain a cleaner nozzle return without radically altering the behavior of the mechanism.

In practice, this design provides responsive operation while maintaining close to the desired mechanical balance on compatible platforms. The manufacturer specifically recommends pairing it with their **Crimson GBB Hop-Up Bucking** , whose airtight seal complements the work done on the nozzle cycle.

### **Steel construction and durable finish**

Durability was one of the main objectives of the development. The spring is therefore made of **steel** and receives a distinctive finish allowing easy identification of **Waldo Dynamics** parts.

This coloring process is not based on a simple coating that could flake off: according to the manufacturer, the technology used bonds the color directly to the steel at an atomic level. The finish thus remains integral to the material while giving the spring its characteristic appearance.

### **Two springs in each bag**

Each pack contains **2 Ion springs** . This is convenient during maintenance: the second can remain in the toolbox as a spare or be used immediately to equip a second compatible replica.

To further simplify the process, these springs can also be used with the **Waldo Dynamics VFC Quick Change Nozzle Spring Plug** . This plug was developed to facilitate future spring changes and avoid the need to systematically remove the original VFC plug, which is known to be particularly stubborn.

### **Extended compatibility with VFC, APFG and Maruyama platforms**

Compatibility is not limited to a single family of replicas. **Ion Nozzle Springs** are designed for many **VFC** platforms, including the G3, HK53 and HK33, AR and 416 V3/EVO, AK74, AKS74U, AK105, PP19, UMP, SR25, 417, M110, MDX, PDX, FNC, FAL and OSW.

They can also be used on the **APFG MCX and MPX** , the **Maruyama ISO556** , and the **Marksman K1A** . This broad compatibility makes them a valuable spare part to keep in the workshop for maintaining several GBB platforms.

## **FAQ**

### **What is the power of the Ion Waldo Dynamics nozzle springs?**

The **Ion Waldo Dynamics** springs have a spring rate of **115%** . They are therefore slightly more powerful than the original VFC springs in order to obtain a more pronounced nozzle return without an excessive increase in spring force.

### **How many springs are included in a bag?**

Each pack contains **2 Ion nozzle springs** . The second can be used as a spare or to equip a second compatible replica.

## **Are Ion springs only compatible with VFC replicas?**

No. In addition to many **VFC** platforms, they are compatible with the **APFG MCX and MPX** , the **Maruyama ISO556** and the **Marksman K1A** .

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