

## **RAT VALVE 3:16**

Before installations put a drop of oil on the valve stem O-ring. Place the extra white plastic washer between the valve face and retaining nut then screw into the gun (don't forget the spring). The white washer acts as a lock to keep the retaining nut from backing out and ruining the inner threads which can be a costly repair. It also acts as a seal to keep air from escaping. The valve seat set screw installs into the cup on the bottom of the valve guide. The air passage in the valve points up towards the top of the gun.

### **INSTALLATION TIPS**

Included with the Rat Valve 3:16 are the main springs as well as the valve spring. The valve spring is for the 98 and newer guns or those that have had their valve chambers drilled deeper – if you have a shorter style please use a soft or yellow valve spring – the main springs is simply the one we've had the most success with.

### **TUNING**

**Step 1:** Set the velocity adjustment in the back of the gun, screw the velocity adjuster about half way in.

**Step 2:** Adjust input pressure slowly up from 0 to the pressure it takes to achieve the approximate desired velocity. This of course should be done at the chronograph to insure accuracy – be sure to wear your goggles.

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