

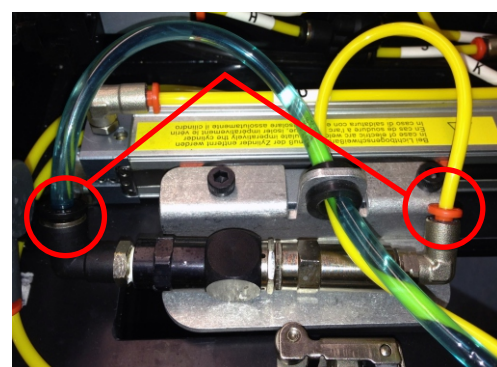
A bad spray pattern can often be traced to just a couple of potential fluid flow restriction points. In this bulletin we look at the Spray Valve and how to disassemble, clean it, and return to its assembled condition.



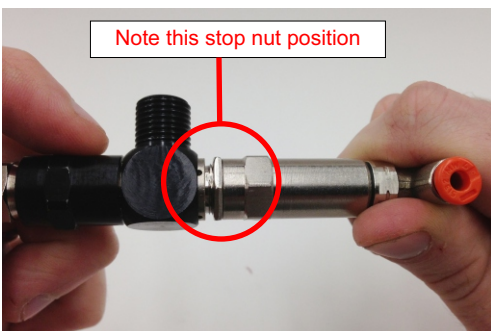
**STEP 1:** First remove all 8 screws from the top of the ViperONE. Remove the lid.



**STEP 2:** Loosening the silver nut found inside the spray chamber of the ViperONE (the bottom side of the spray head carriage as seen in STEP 3).



**STEP 3:** Remove the Spray Valve from the ViperONE. Do this by releasing the yellow Air line and the blue Fluid line that are connected to the Spray Valve on either end.



**STEP 4:** Before removing the Pneumatically Activated switch, note the position of the stop nut. Its location is important and should be noted at this time.

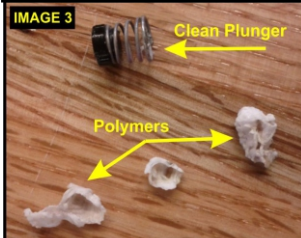
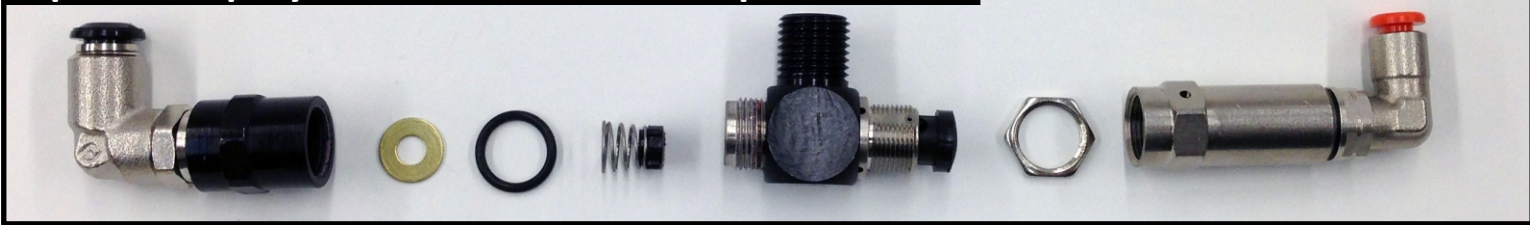


**STEP 5:** Remove the pneumatically activated switch from the Spray Valve.



**STEP 6:** Next, remove the left side (Fluid Side) of the Spray Valve Assembly using the wrenches, as seen above. Remove all components and clean.

### ViperONE Spray Valve Disassembled Exploded View



**STEP 7:** Clean the entire assembly with Anti-Venom Maintenance Solution. Remove all polymer or contaminant buildup found on any of the components see above. As can be seen in the picture to the left, polymer buildup can be significant.