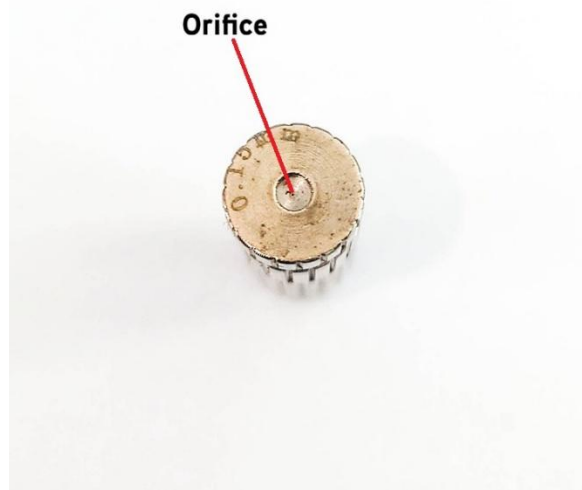
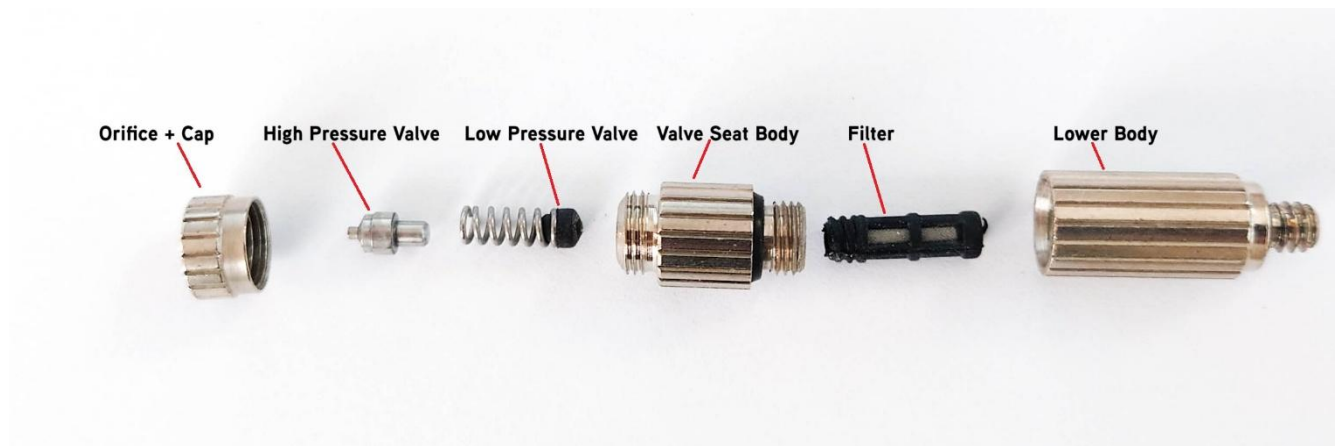


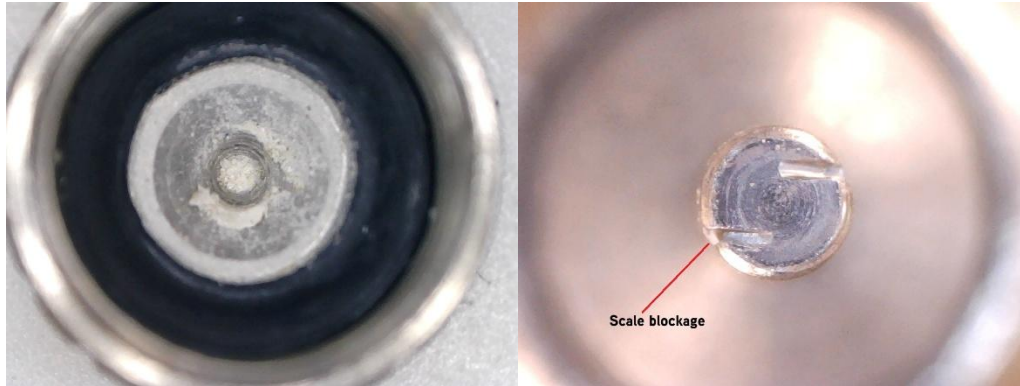
How To Clean aerMist Nozzles

Warning: Use protective eye wear and appropriate gloves while cleaning nozzles. Do not allow direct skin or eye contact with descaler.

Nozzle Parts



Scale is the #1 cause of clogged and dripping nozzle. Small scale particles block low pressure nozzle valve from fully sealing which results in dripping nozzles when pump is OFF or it blocks high pressure nozzle valve or orifice which results in dripping or clogged nozzles when pump is ON.



Blocked nozzle orifice and blocked HP nozzle valve (400x magnification)



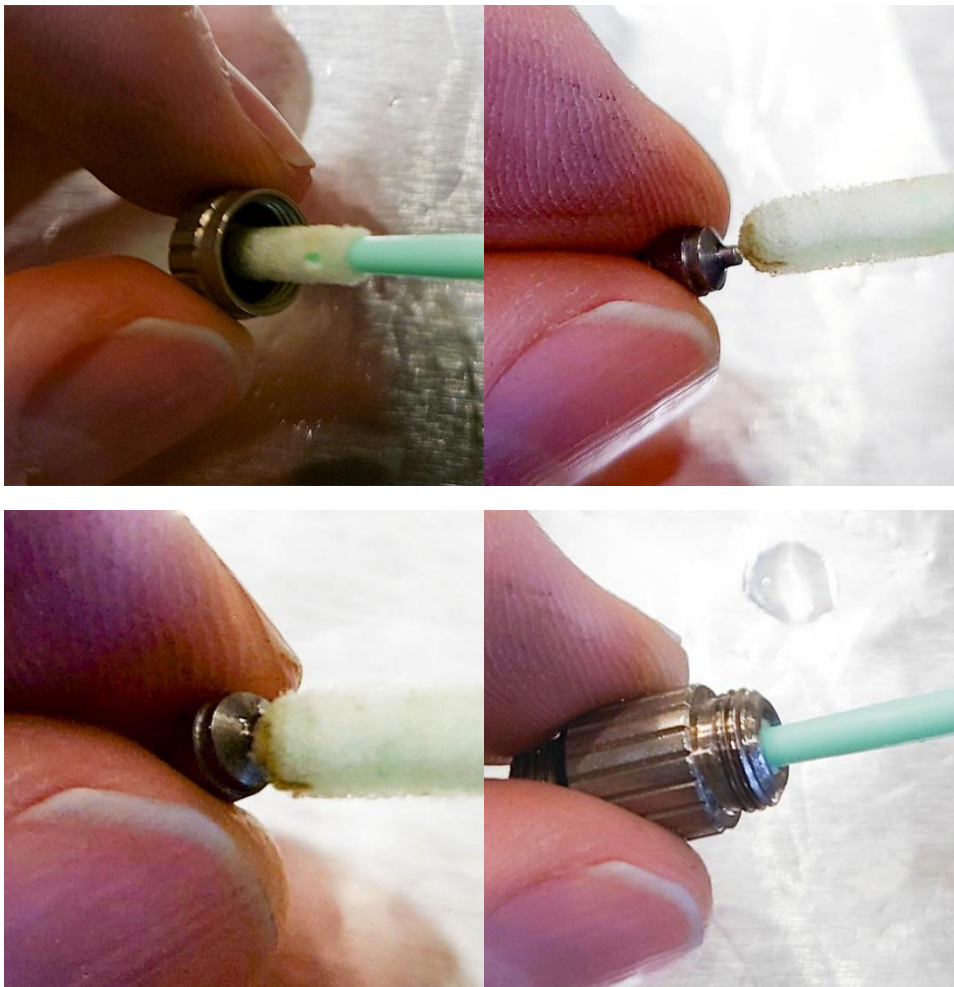
Scale blocking full seal of the LP nozzle valve + clogged nozzle filter

How to clean nozzles:

You will need two plastic or glass small containers, Zero Bull descaler, tweezers, pliers, small lint free cleaning swabs, magnifier:

- In one container pour clean water and in the second mix 1 part descaler with 16 part water
- Fully disassemble nozzle:
 - Unscrew orifice cap
 - Remove high pressure valve and low pressure valve from the valve seat body
 - Separate valve seat body from the lower body and unscrew mesh filter

- Submerge all nozzle parts into the descaler solution. Do one nozzle at a time and do not mix and match nozzle parts. Make sure that all parts are fully submerged and that air bubbles are not blocking descaler from contacting all surfaces. Leave submerged for at least 5 minutes or as long as you see small bubbles forming from the reaction with the descaler. For heavily clogged orifices, flip orifice cap with external orifice surface facing up and with tweezers gently scratch off and lift up baked scale until orifice hole opens up.
- Take out all nozzle parts from the descaler solution and place into the clean water container while agitating in water to wash off
- Take all parts from the water and place on a towel. Use lint free swab to clean:
 - Orifice from both sides
 - High pressure valve
 - Low pressure valve
 - Low pressure valve seat inside the valve seat body
- Inspect with magnifier and make sure scale is no longer present



- Next, re-assemble the nozzle in the following order:

- Screw filter into the valve seat body
- Screw valve seat body to the lower body until both metals touch at the seam. Do not screw past the metals touching. There should be no gap between the parts but it should not be over torqued.
- Next, place the low pressure valve into the valve seat body with open end of the spring facing out.
- Insert the high pressure valve into the valve spring. Thicker part should go into the spring.
- Screw the orifice cap until there is a 0.35mm (0.014 inch) to 0.43mm (0.017) gap between the cap and the valve seat body. Use feeler gauges to ensure correct gap. Overtightening this connection may result in nozzle not misting or dripping with pump ON. Leaving it too loose may result in water coming out of the gap with pump ON.

