

This procedure is for the ANKOM DELTA and can be used for the replacement of these parts:



**5678 Valve Piston  
w/Viton® Seat**



**Z132 Valve Seat**



**Z133 Viton® O-Ring**



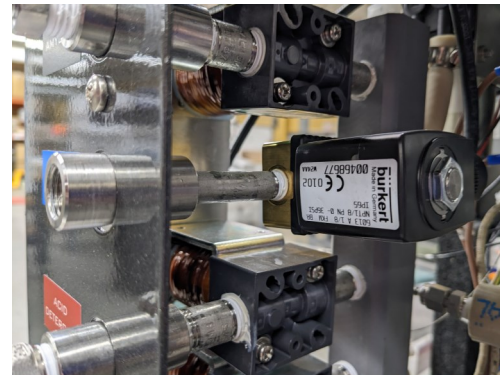
**Z135 Valve Spring**



**Z276 T20 Torx Wrench**  
(included in original DELTA shipment)



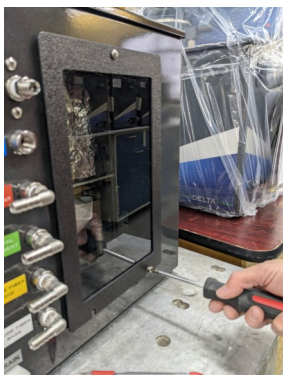
Vent Valve (Q7) from the rear.



Water Valve (Q6) from the side.

## Removing the panels

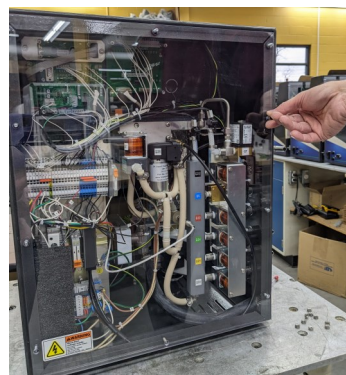
1. Remove the side panel from the DELTA by unscrewing the 3 screws holding the panel in place. Remove the clear panel from the rear of the machine by removing the 10 nuts from the perimeter and set the covers aside.



Side Panel

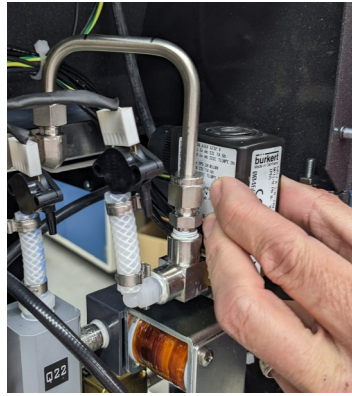
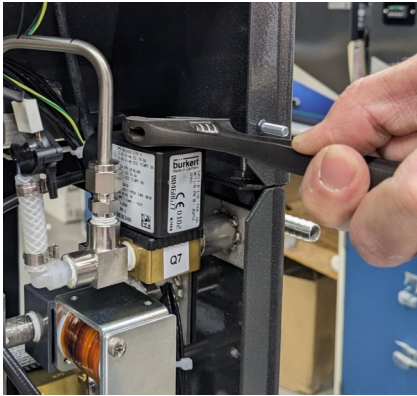


Rear Panel

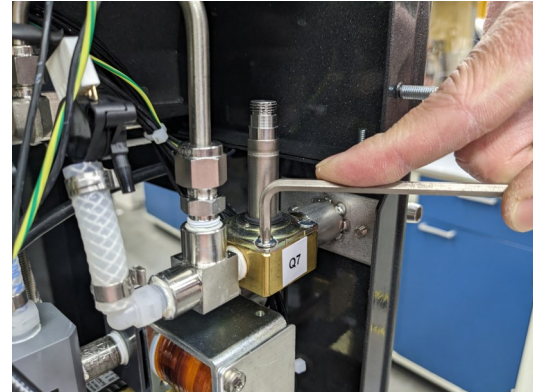
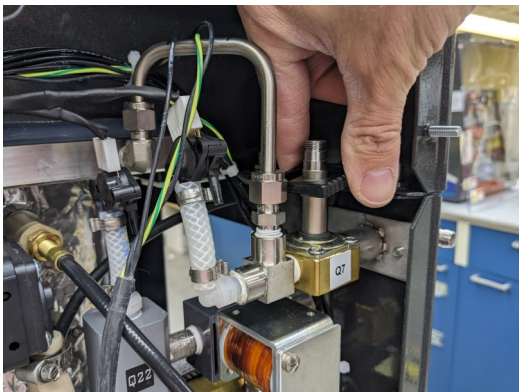


### Servicing the Vent Valve

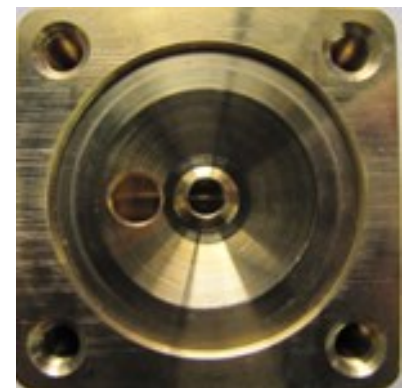
2. With a wrench, remove the nut on top of the Q7 Vent Valve. Lift the Solenoid off of the valve body and set this aside.



3. Lift off the black plastic cover from the valve body. Using the T20 Torx Wrench included in the original packaging with the DELTA machine, remove the four screws holding the valve stem in place.



4. Check the brass valve body for debris, corrosion, mineral deposits, etc. Make sure that nothing is blocking the two orifices. If the valve appears clean, move on to next step. If there is debris or corrosion, use a Scotch-Brite™ (or equivalent) fine abrasive pad to scrub the corrosion off of the brass valve body.

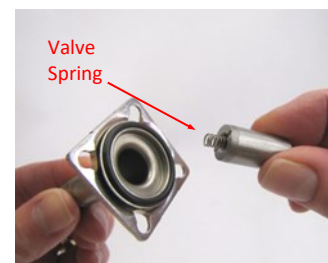




5. Exposure to certain solvents can cause valve seats and valve body seals to be damaged. Inspect these parts and replace if necessary. Carefully take the valve plunger, ANKOM part #5678, out of the valve guide tube and remove the valve spring from inside the plunger. If the valve spring is corroded or becomes lost replace it with ANKOM part #Z135.
6. Peel off the valve seat, ANKOM part #Z132 which is attached to the plunger end. Replace the new valve seat, part #Z132, on the end of the valve plunger assembly.
7. Check the Viton O-Ring, ANKOM part #Z133, around the inside of the valve guide tube for swelling and tears. If needed, replace part Z133.



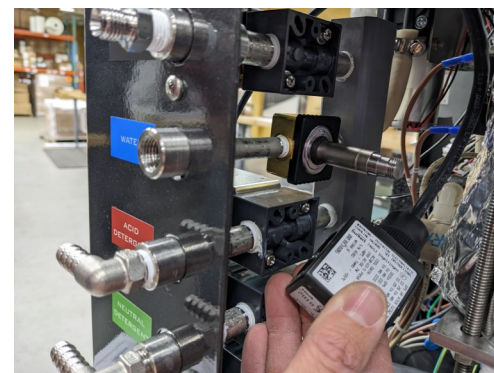
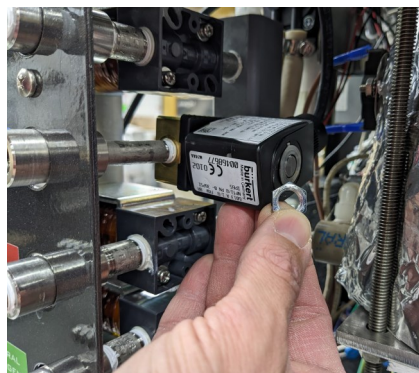
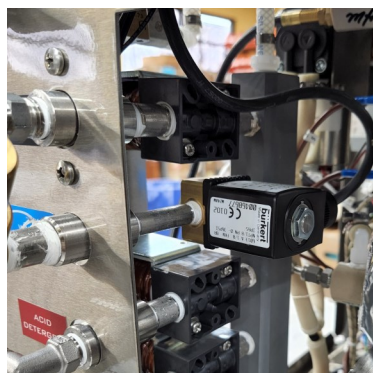
8. Place the valve spring back inside the valve plunger. Insert the valve plunger, valve spring side first, into the valve guide tube.



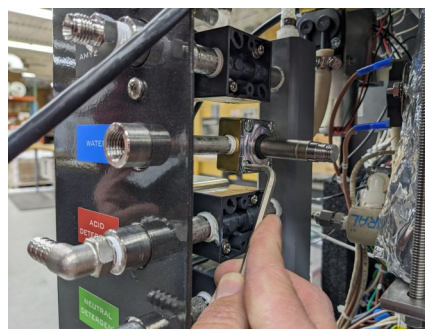
9. With the appropriate parts replaced, follow steps 1-3 in reverse order to reassemble the machine.

## Servicing the Water Valve

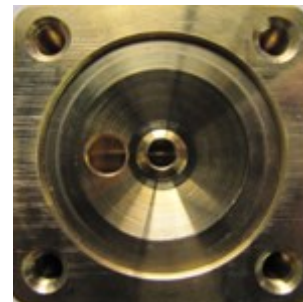
10. Using a wrench, remove the nut that holds the solenoid in place. Slide the solenoid off of the valve stem.



11. Remove the black plastic cover on the valve and use the T20 Torx Wrench included in the original packaging to remove the four screws connecting the valve stem to the valve body.
12. Check the valve body for debris and corrosion.
13. Check the valve seals for swelling and tears. The valve seat seal is attached by a flange and peels off the piston. Replace both seals if exposed to acetone or damaged.



14. Check the brass valve body for debris, corrosion, mineral deposits, etc. Make sure that nothing is blocking the two orifices. If the valve appears clean, move on to next step. If there is debris or corrosion, use a Scotch-Brite™ (or equivalent) fine abrasive pad to scrub the corrosion off of the brass valve body.



15. Exposure to certain solvents can cause valve seats and valve body seals to be damaged. Inspect these parts and replace if necessary. Carefully take the valve plunger, ANKOM part #5678, out of the valve guide tube and remove the valve spring from inside the plunger. If the valve spring is corroded or becomes lost replace it with ANKOM part #Z135.
16. Peel off the valve seat which is attached to the plunger end. Replace the new valve seat, ANKOM part #Z132, on the end of the valve plunger assembly.
17. Check the valve body seal, ANKOM part #Z133 Viton O-Ring, around the inside of the valve guide tube for swelling and tears. If needed, replace the valve body seal.



18. With the appropriate parts replaced, follow steps 10-11 in reverse order to reassemble the machine.