

General:

The Rheodyne Valves control the flow paths of the various fluids in the sampler. Rheodyne valves should be rebuilt every year.

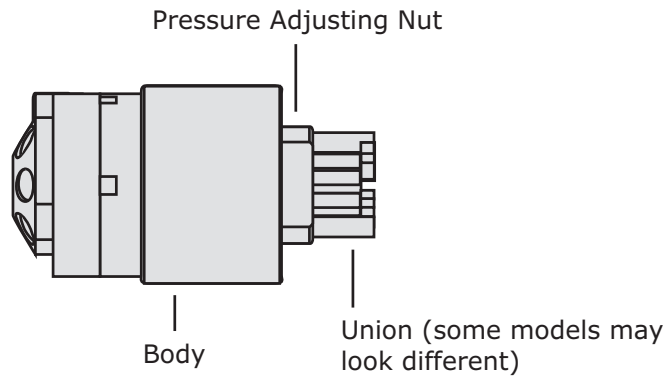
Equipment and Materials

- Rheodyne Valve Re-Build Kit
- Flathead Screwdriver

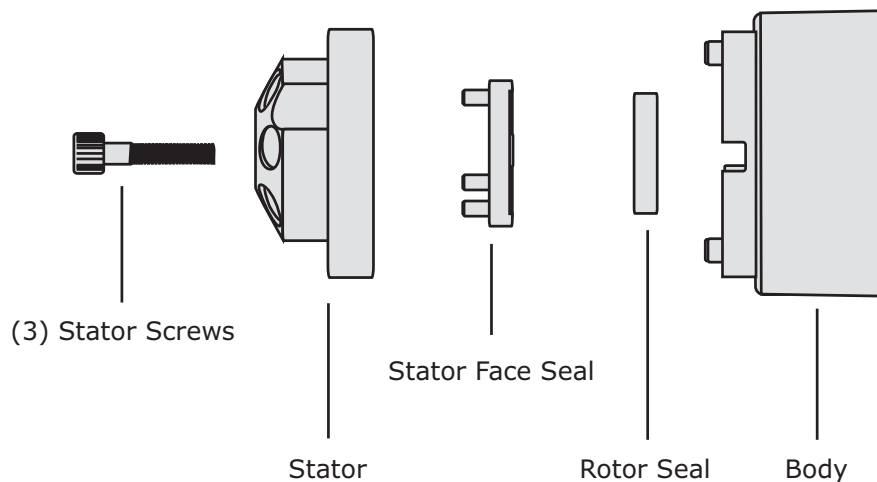
Replacement Parts

- URG-9000-08A, Rheodyne Valve Re-Build Kit for Ambient Ion Monitor

Side View



Expanded View

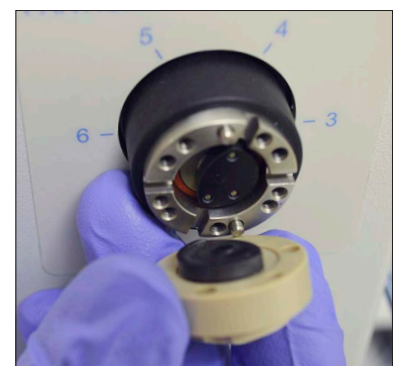
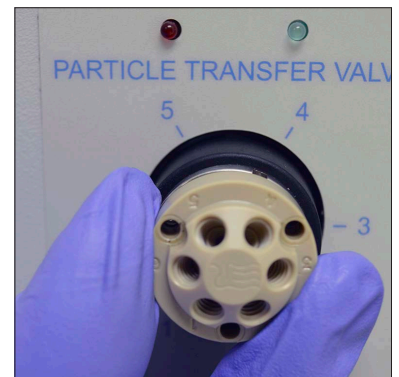


Instructions:

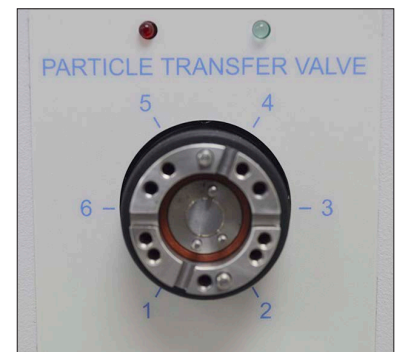
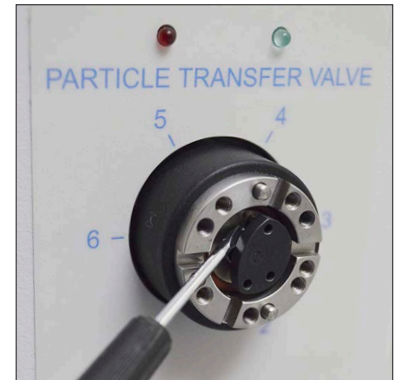
1. With the hex key provided in the kit (or a 5/64" Allen Wrench), remove the stator screws located in the stator by loosening 1/4 turn at a time in a sequential fashion (for 3 stator screws) or in a diagonal fashion (for 4 or 5 stator screws).



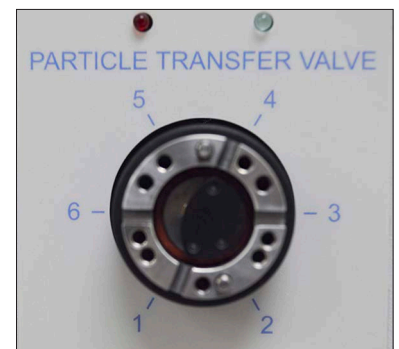
2. Slowly remove the stator from the valve body.



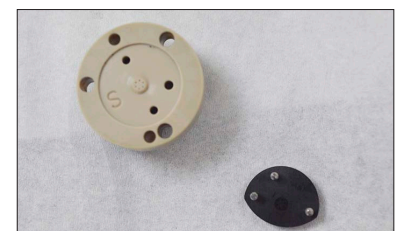
3. Remove the used rotor seals by carefully slipping a flathead screwdriver underneath the rotor seal.



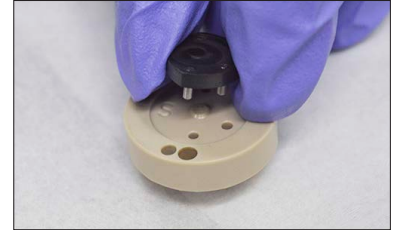
4. Mount the new rotor seal with the grooves facing the stator. The three pins on the shaft assembly will fit into the mating holes in the rotor seal.



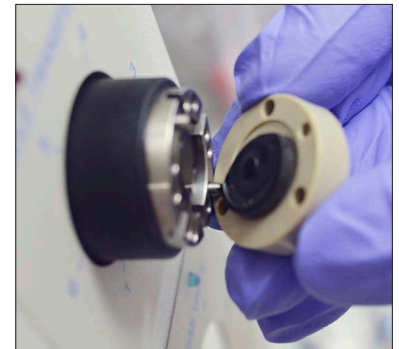
5. Remove the stator face seal from the stator.



6. Attach the new stator face seal so the pins in the seal fit into the stator mating holes.



7. Mount the stator and stator face seal on the valve so that the stator locating pins in the body enter the mating holes in the stator.



8. Replace the stator screws. Tighten each stator screw 1/4 turn at a time to keep the stator surface parallel to the valve body. For the valves that require (3) stator screws, tighten screws sequentially. For the standards valve with (5) stator screws, tighten screws in a diagonal fashion.

