

DC-500 / RP-500

$\frac{1}{2}$ " - 1"



Single Access Cover Removal

- The RP cover is spring loaded and sealed by the diaphragm.
- **Hold cover firmly while removing 6 screws.
- The DC cover has no spring load and is o-ring sealed (quad ring).



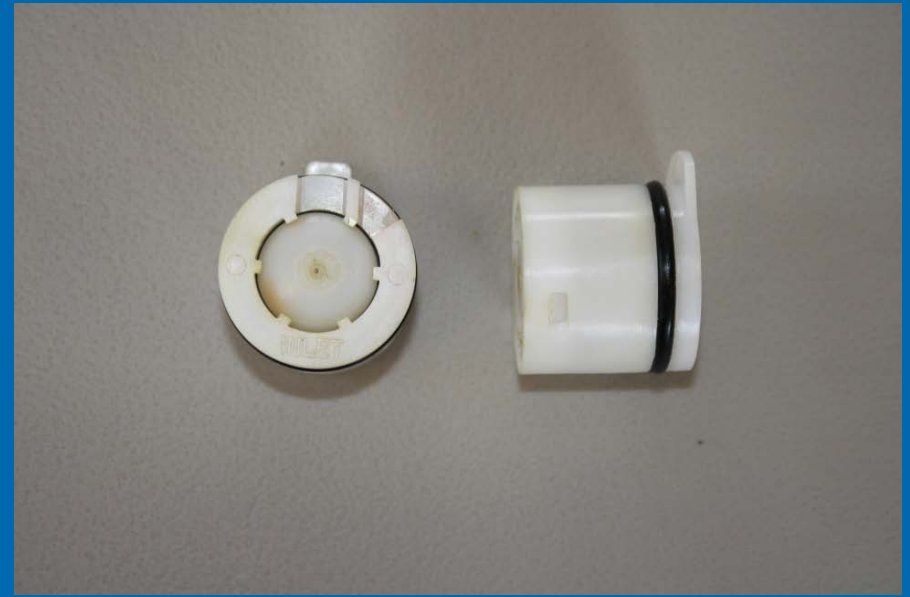
Check Valve Removal

- Modules are o-ring sealed and secured by a retainer.
- Slide retainer straight out of the body.
- Modules can be removed by hand or with a flat screwdriver.



Disassemble Check Valve

- The check modules are not designed to be disassembled.
- If there is a problem with the seat, spring, disc or guide, the module must be replaced.



Check Valve Reassembly Notes

- Reassemble in reverse order.
- Apply lubricant to o-rings.
- If check retainer does not slide into place easily, make sure checks are seated properly.



RV Stem Removal

- The RV stem and spring are situated between the check valves and are free once the single access cover is removed.



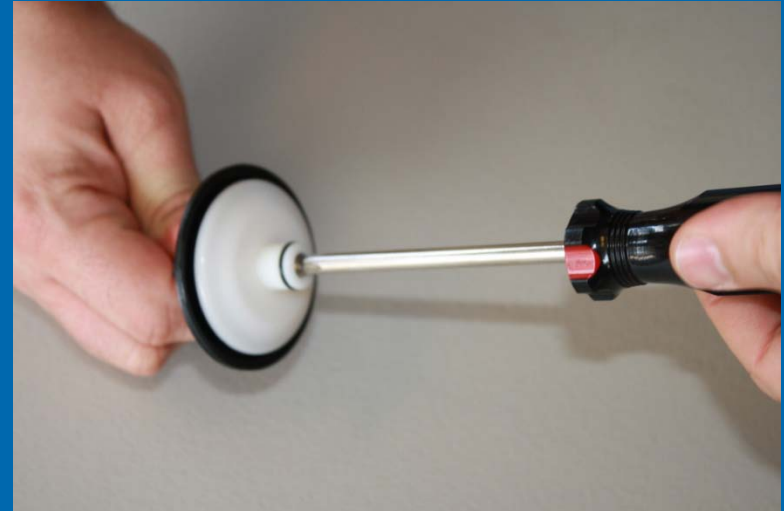
RV Seat Removal

- Unless damaged, there is no need to remove the seat.
- The seat is pushed firmly into the body and is o-ring sealed.



RV Stem Disassembly

- Remove the screw at the top of the stem.
 - Remove the upper plate, diaphragm and lower plate.
- **** An o-ring is located under the bottom plate on the stem.



RV Stem Disassembly

- The RV disc is on the lower stem and held in place by the stem fin guide.
- ** The stem fin guide is not removable.
- The RV disc must be pulled out from around the guide.



RV Stem Reassembly

- Make sure ridge on diaphragm is facing down.
- Lubricate the upper stem o-ring.
- ** Do not over tighten the RV screw.



Single Access Reassembly Notes

RP-500:

- Make sure sensing line o-ring is in place.
- The RV stem will insert through the hole of the retainer and the spring will rest on top of the the retainer.
- The diaphragm ridge must line up with the groove on the body and cover.



Single Access Reassembly Notes

DC-500:

- Make sure sensing line o-ring is in place.
- The seal ring for the cover (quad ring) must line up with the ridge of the body and cover.

