

475ST 4"-10"



WILKINS
a ZURN company

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Modification Overview

- The stainless steel (475ST) series was introduced in 2018.
- This version has a stainless steel body.
*** (Parts do not interchange with original ductile iron version)

Check Cover Removal

- #1 and #2 Covers are secured by a grooved coupling.
- Covers have no spring load.



Check Valve Removal

- Check valve module.
- 4"-6" checks are secured by retainers and o-ring sealed.
- 8"-10" checks are bolted into body and o-ring sealed.



Check Valve Removal 4"- 6"

- **Plastic Retainer** – There is one retainer securing the check modules.
- Pinch together the exposed ends, push down, and then pull downstream.



Check Valve Removal 4"-6"

- Once the retainer is removed the check module can be pulled straight out of the body.



Check Valve Removal 8"-10"

- #1 and #2 check valves:
Remove the 4 nuts and washers.



Check Disc Replacement

- Remove the bolts, washers, and o-rings on the back of the module.
 - ** Do not remove any hardware from the spring side of module.
- Separate the disc retainer from the module.



Check Seat Removal

- The check seat is part of the check module and can not be removed.
- If the seat is damaged, the complete check module will need to be replaced.



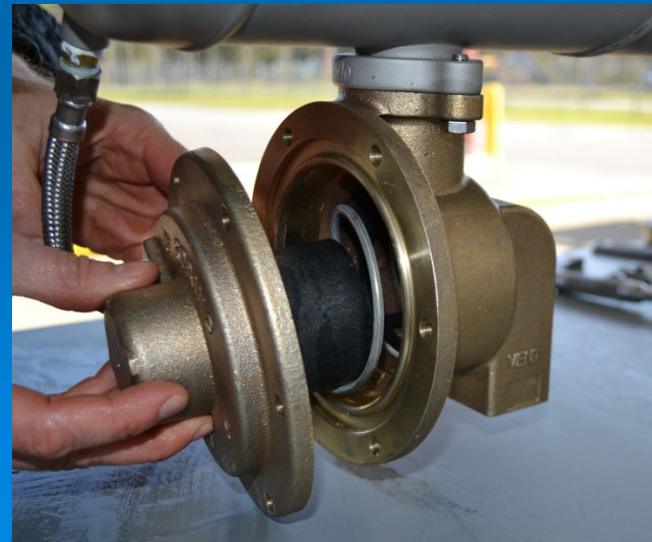
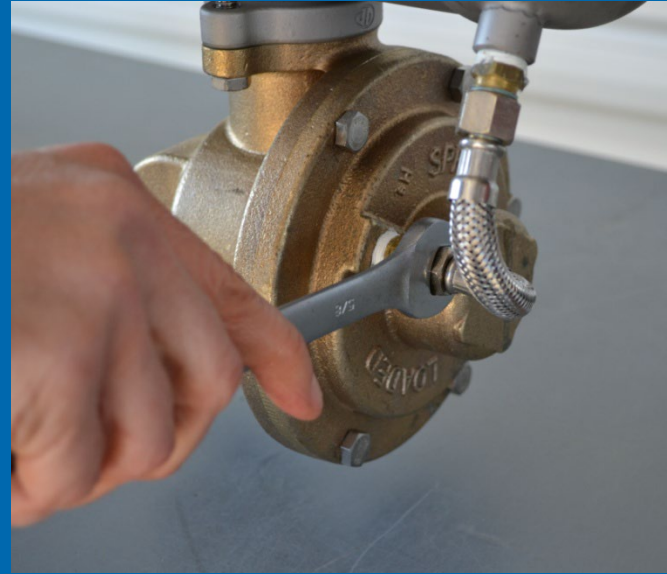
Check Valve Reassembly 4"-6"

- **Plastic Retainer**
- Install the plastic retainer by inserting one end into the body groove and then sliding your hand around the face of the retainer pushing it into the groove as you go.
- The retainer will snap into place when it is fully seated.



RV Cover Removal

- Cover is sealed by the diaphragm.
- Remove sensing line.
- Cover has a slight spring load.
- Hold cover firmly as the bolts are removed.



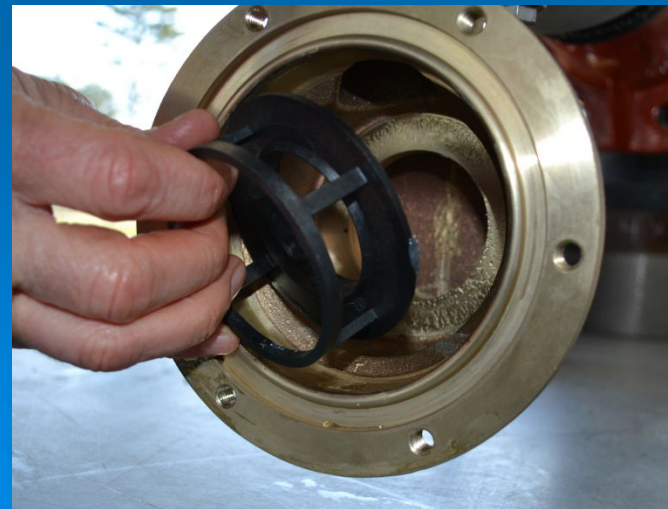
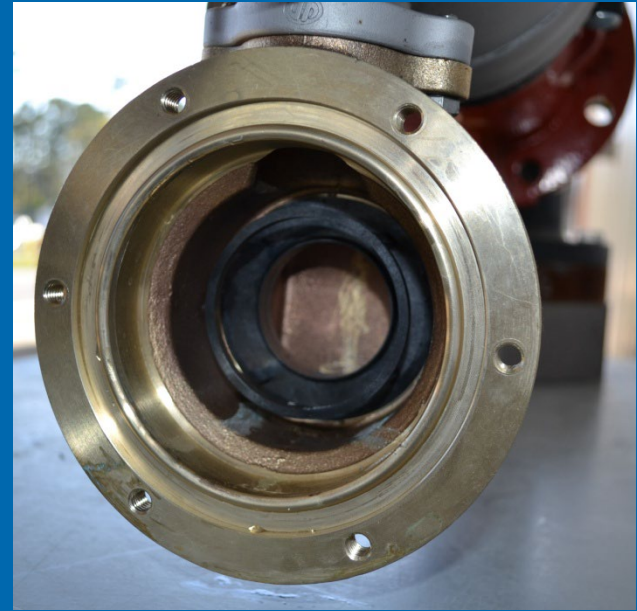
RV Stem Removal

- Gently pull on diaphragm to remove the RV stem.
- The spring should fall out when the stem is removed.



RV Seat Removal

- The seat is pushed into the body and o-ring sealed.
- Simply pull the seat straight out of the body.



RV Stem Disassembly

- Remove the retaining bolt and pull apart.



RV Rubber Replacement

- The diaphragm and seat disc are free once the RV stem has been disassembled.
- The bead and cup of the diaphragm should face toward the bolt end of the stem.
- Reassemble stem in reverse order.



RV Reassembly Notes

- Form the diaphragm to lay flat against the RV cover.
- The bead on the diaphragm will line up with the groove on the RV body.
- Replace and lubricate the plunger o-ring.

