

# RPZ-II, RPZE-II

$\frac{1}{2}$ " ,  $\frac{3}{4}$ " ,  $1\frac{1}{2}$ "



American Backflow  
Products Company

**FLOMATIC**

# Modification Overview

Production of the RPZ II began in 1996 for the 1/2" and 3/4" sizes. The 1 1/2" size was introduced in 2000. The body is smaller in size than the original version and the parts do not interchange.

The lead free version (RPZE II) was introduced in 2002 and was discontinued in 2012.

# Single Access Cover Removal

The cover is spring loaded and sealed by the diaphragm.

\*\* Hold cover firmly while removing bolts.



# Single Access Cover Removal

Lift cover straight off.

Remove RV stem assembly and spring from body.



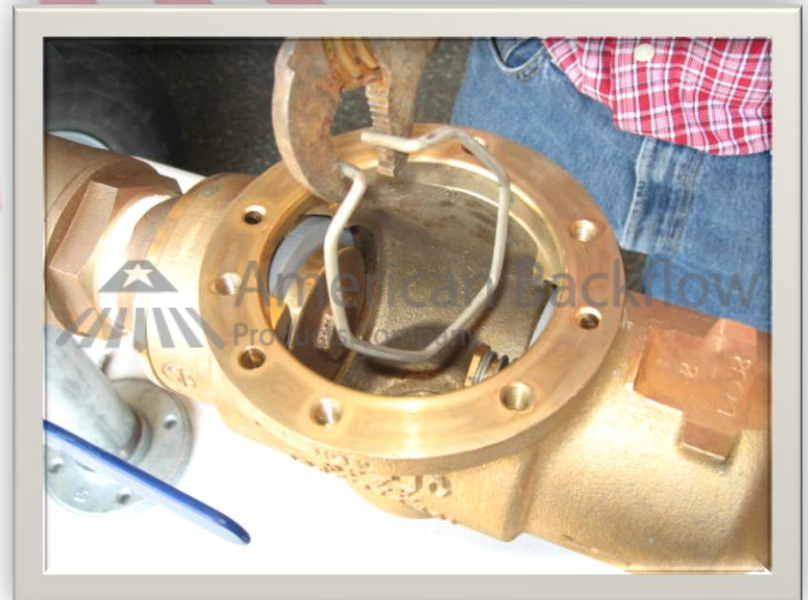
# Check Valve Removal

Check valve modules.

Modules are o-ring sealed and secured by spring clips.

Pinch together the exposed ends of the clip and pull away from module.

\*\* Use adjustable pliers if necessary.



# Check Valve Removal

Once the spring clips are removed, the modules can be pulled straight out of the body.

Check valves can be removed in any order.



# Disassemble Check Valve

Check modules are spring loaded.

Holding the module firmly, unscrew the stem from the disc holder.

Place a wrench on the spring retainer and a wrench on the disc holder.



# Check Disc Replacement

Once the module is disassembled, the disc holder, retainer and disc are free.

Reassemble in reverse order.





# Check Seat Removal

The check seat is part of the module.

If the seat is damaged, the entire module must be replaced.

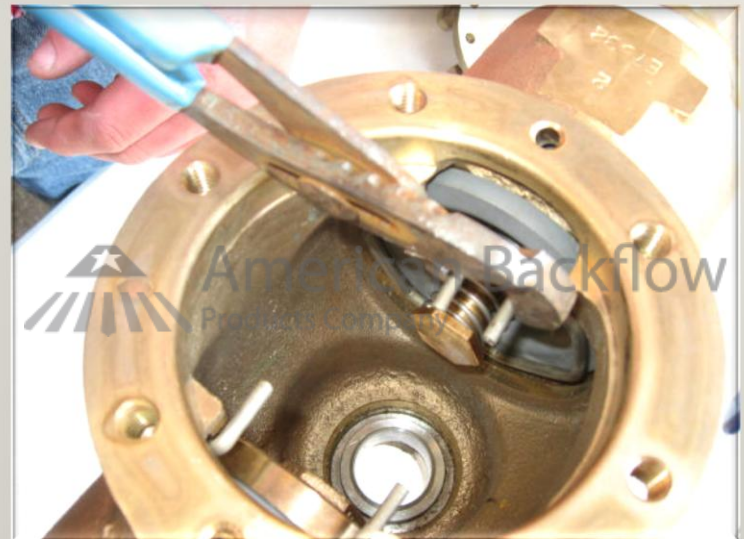


# Check Valve Reassembly Notes

Lubricate o-rings.

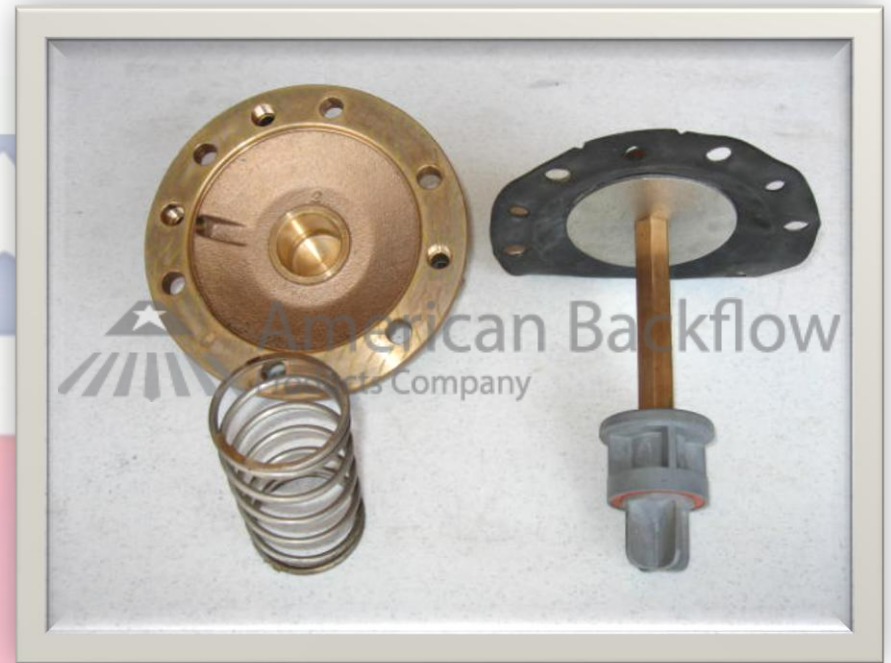
Push checks into body.

Replace spring clips in reverse order.



# RV Stem Removal

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



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# 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 Diaphragm Replacement

The diaphragm is located on the upper stem.

Unscrew the RV piston from the stem.

Reassemble in reverse order.



# RV Disc Replacement

The RV disc is located on the lower stem.

Unscrew the disc retainer from the RV stem.

Reassemble in reverse order.

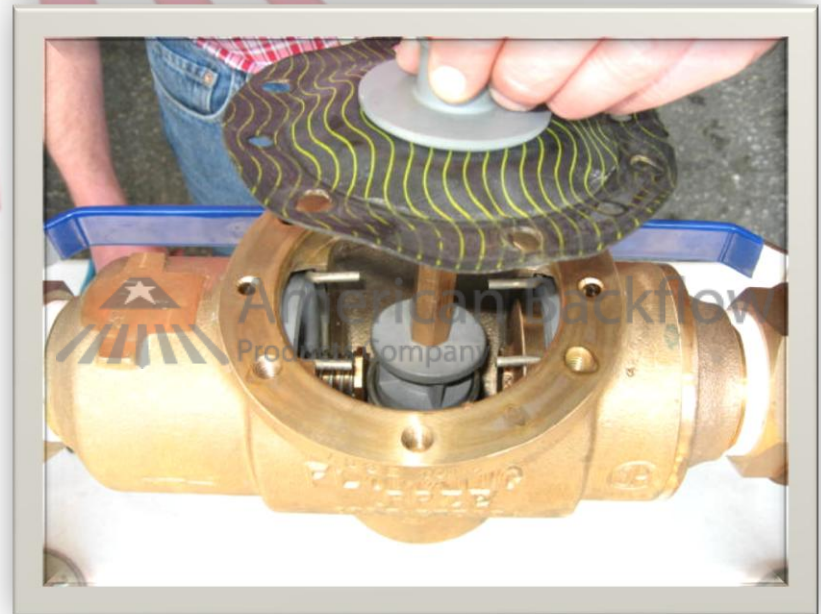
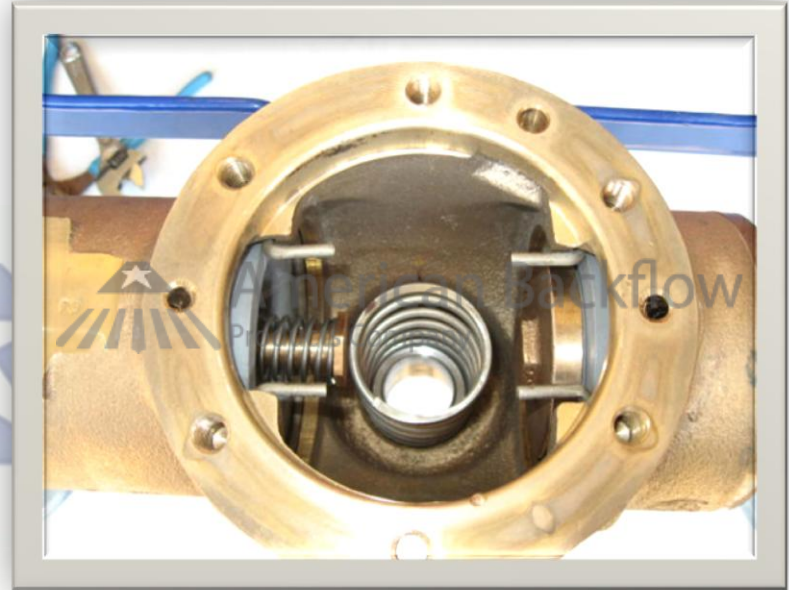


# RV Reassembly Notes

Center the spring  
over the RV seat.

Position the RV stem  
into the body.

Lubricate plunger o-  
ring.



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# Single Access Reassembly Notes

Make sure the diaphragm does not block the test cock ports in the body.

\*\* Place lid bolts in cover to help align the diaphragm correctly.

