

375, 375XL  
1¼" - 2"



American Backflow  
Products Company

**WILKINS**  
a **ZURN** company

# Modification Overview

Production of the 1¼" - 2" 375 began in 2004 and is current.



The lead free version 375XL was introduced in 2010.



# Housing Removal

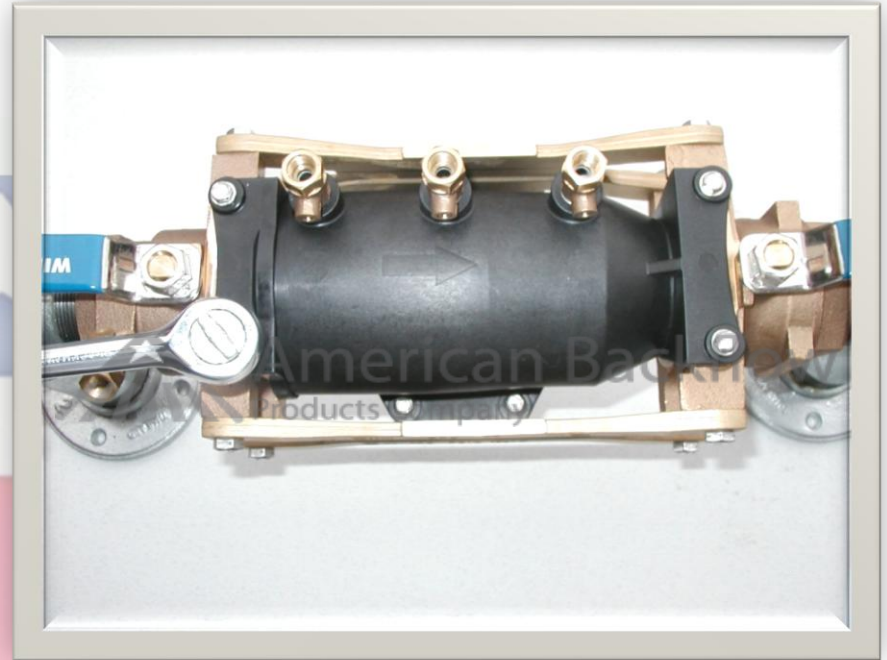
The plastic housing (vessel) must be removed for service.

There is no spring load.

Housing is bolted and o-ring sealed.

Remove the four housing bolts.

Lift the vessel up and out



# Check Valve Removal

The check valves are held in place by a closure sleeve.

Gently pry the closure sleeve away from the body.

Both modules must slide out of the housing.

Use a short blunt object on a flat surface to push against the #2 check.



# Check Valve Removal

Make sure all test cocks are open to break any vacuum.

Push down on the body to slide the modules out.





# Disassemble Check Module

Hold the cage firmly and twist the seat counter-clockwise about  $\frac{1}{4}$  turn.

Check modules are spring loaded.



# Check Seat Removal

Check seat is free once the module has been disassembled.

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



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# Check Disc Replacement

Remove screw, disc  
retainer, and disc.





# Check Valve Reassembly Notes

Lubricate o-rings on check modules.

#2 check slides into vessel first.

Insert the #1 check and turn it until the spring retainer lines up with the notches on the #2 seat.

Push both modules into the vessel.



# Check Valve Reassembly Notes

Lubricate the o-ring on the closure sleeve and insert against the modules.

Place on a flat surface and push down with a “rocking motion” until the sleeve seals with the vessel.

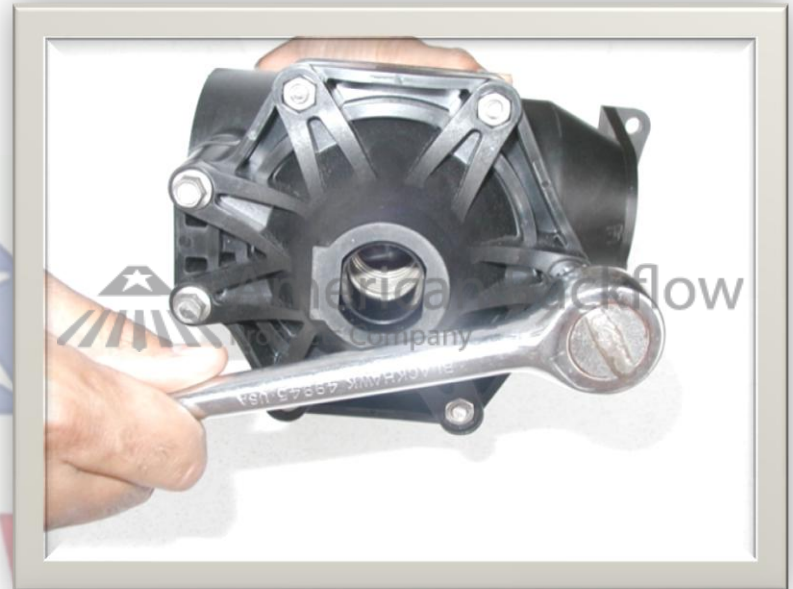


# RV Disassembly

The RV body must be removed from the vessel.

The RV body is bolted to the vessel and sealed by an o-ring.

Remove the 3 bolts on the underside of the RV body.



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# RV Disc Replacement

The RV disc is attached to the vessel.

Remove the retaining screw and washer.





# RV Disassembly

The RV body is bolted together and sealed by the diaphragm.

Remove the four bolts.

Separate the upper and lower RV housing.



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# RV Disassembly

The RV stem is free once the body is separated.

\* Note: be careful not to lose the sensing line o-rings on each side of the RV body.



# RV Seat Removal

The RV seat is part of the stem assembly.

If the seat is damaged, the stem assembly must be replaced.



# RV Stem Disassembly

The RV spring is located inside the stem assembly.

\* Note: The stem assembly is spring loaded.

Hold the diaphragm firmly with one hand and unscrew the lower stem.



# RV Reassembly Notes

Reassemble the stem assembly in reverse order.

\* Note: Place seat down on flat surface to help compress RV spring.

Lubricate housing o-ring.

Install RV housing to vessel.

Secure 3 housing bolts.





# Housing Replacement Notes

Lubricate both of the vessel o-rings.

Rock the vessel from side to side as it slides into position.

\* Note: Make sure o-rings stay in their groove.

Vessel must be in position completely before replacing retaining bolts.

