

4S-100 & 4SG-100

2 1/2" - 10"



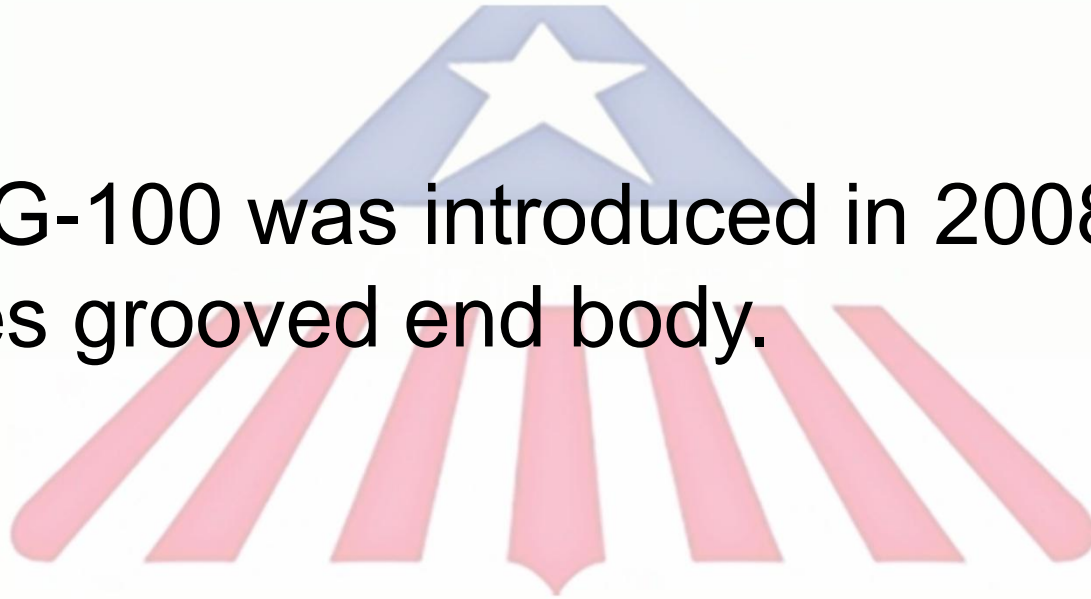
American Backflow
Products Company



Modification Overview

Production of the 4S-100 aka (DC4S) began in 1998.

The 4SG-100 was introduced in 2008. The “G” indicates grooved end body.



Check Cover Removal

Cover is sealed by a gasket.

Cover has no spring load.

For the 2 ½" - 6" size, unscrew black plastic spring cap.

Remove bolts, cover and gasket.

8" - 10" cover has spring load approximately ¼".



Check Valve Removal

Check valve module.

Module is o-ring sealed.

8" - 10" spring module is separate from the check module.

Gently pry the module from the body.



Disassemble Check Valve 2 ½” - 6”

The module is spring loaded.

Do not remove the socket head bolt.

Unscrew and remove the spring assembly from the module by placing a wrench on the flats provided.

Do not disassemble spring assembly any further.

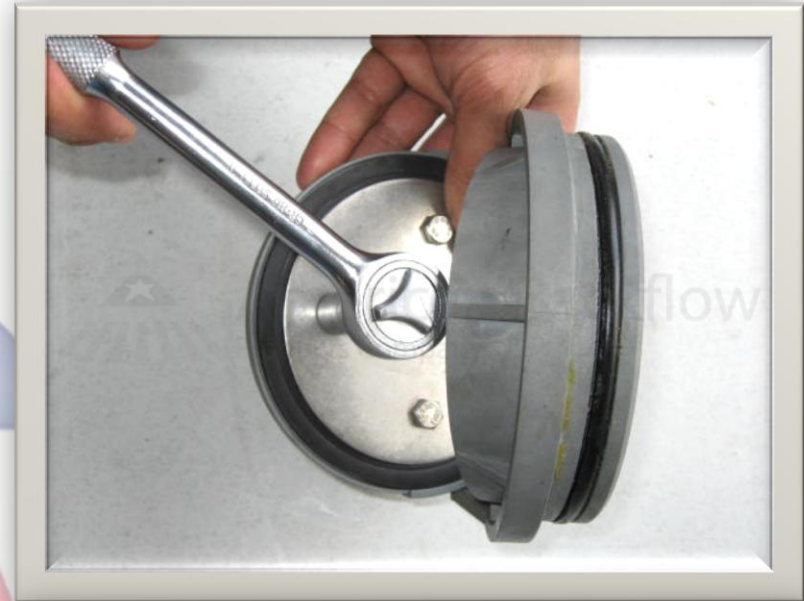


Check Disc Replacement 2 1/2" - 6"

Once the spring assembly is removed, spring load is released.

Remove the retaining screws and disc retainer.

Remove the seat disc.



Disassemble Check Valve 8" - 10"

The check module is made of brass.

The spring module is self contained and is free once the cover has been removed.

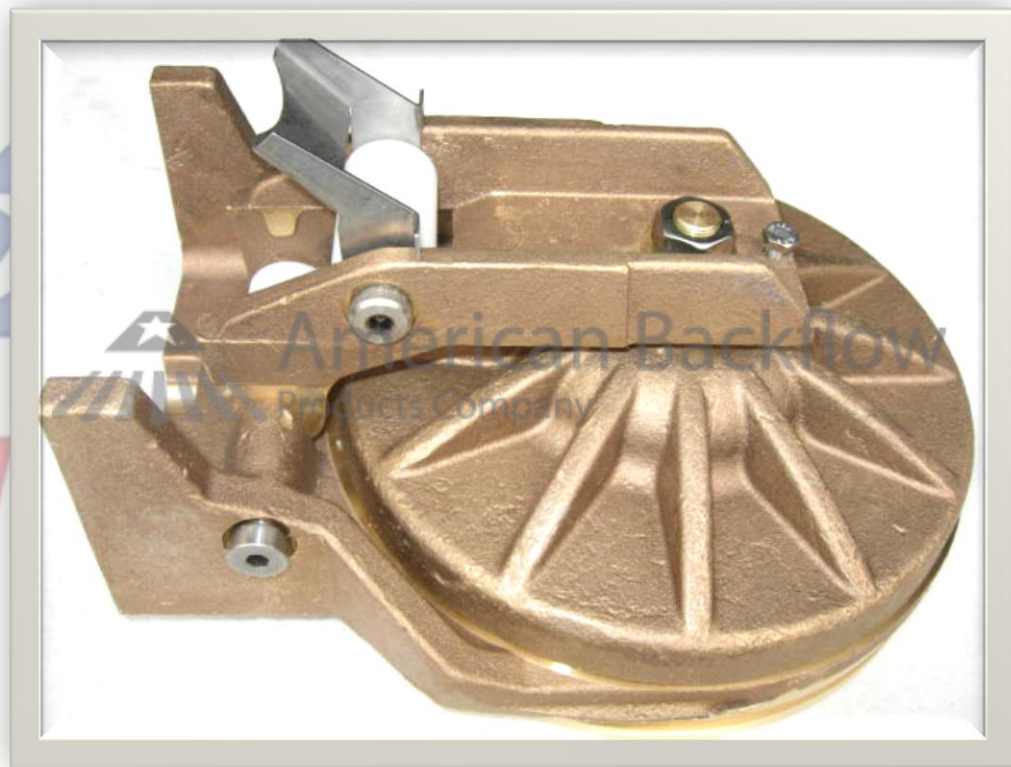
Do not disassemble spring assembly any further.



Check Disc Replacement 8" - 10"

Remove the retaining screws and disc retainer.

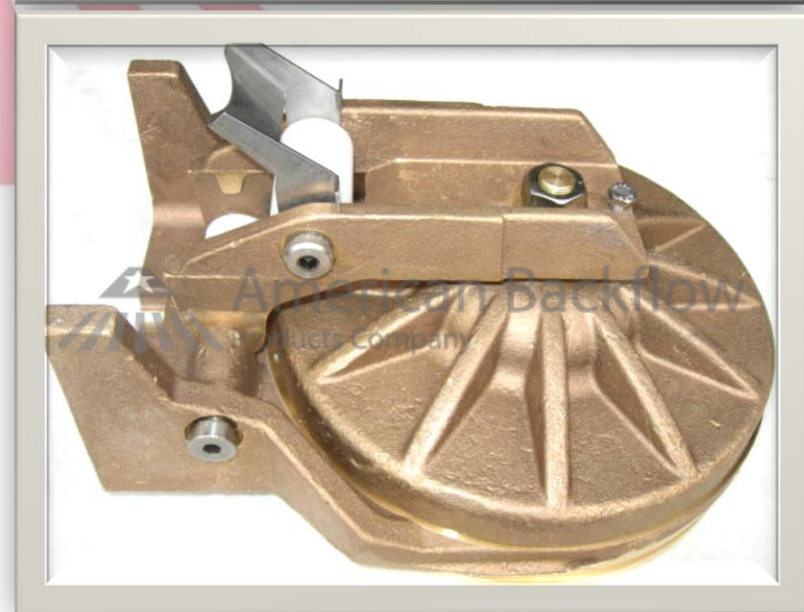
Remove seat disc.



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 Note

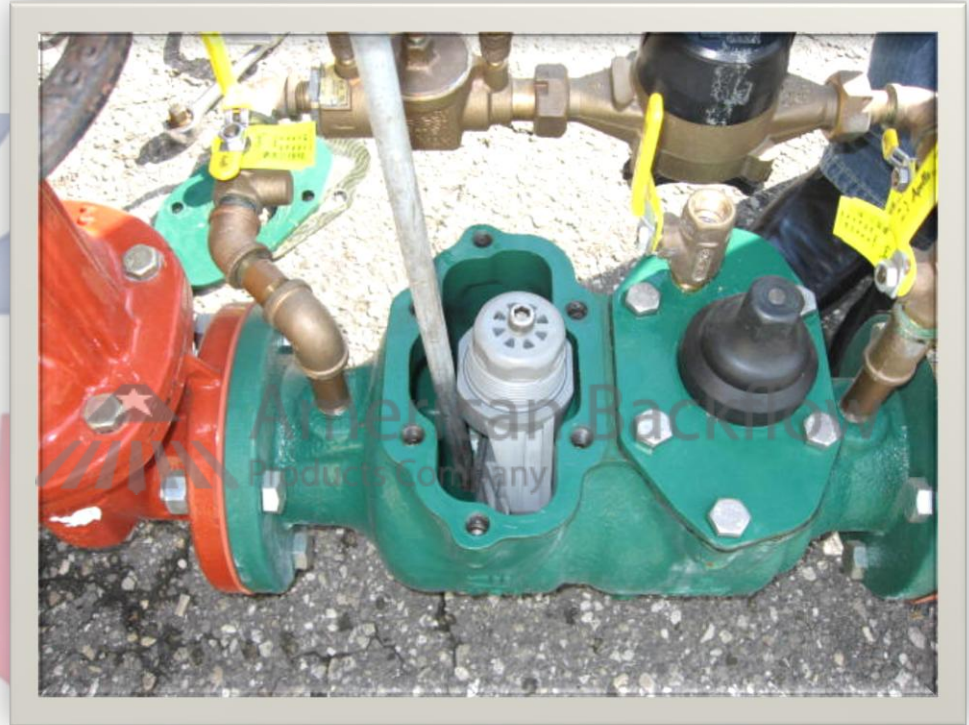
2 1/2" - 6"

Reassemble checks in reverse order.

Lubricate o-rings.

A pry bar may be needed to aid in seating the check assembly into the body.

Spring cap needs only to be snug.



Check Valve Reassembly Notes

8" - 10"

8" - 10" Insure that the cam positioner is flipped down on the swing arm of the check module.

8"-10" When replacing the spring assembly, make sure to place cam end of spring on both cam rollers of the check module.

