

# 850 & 850LF

1/2" - 2"



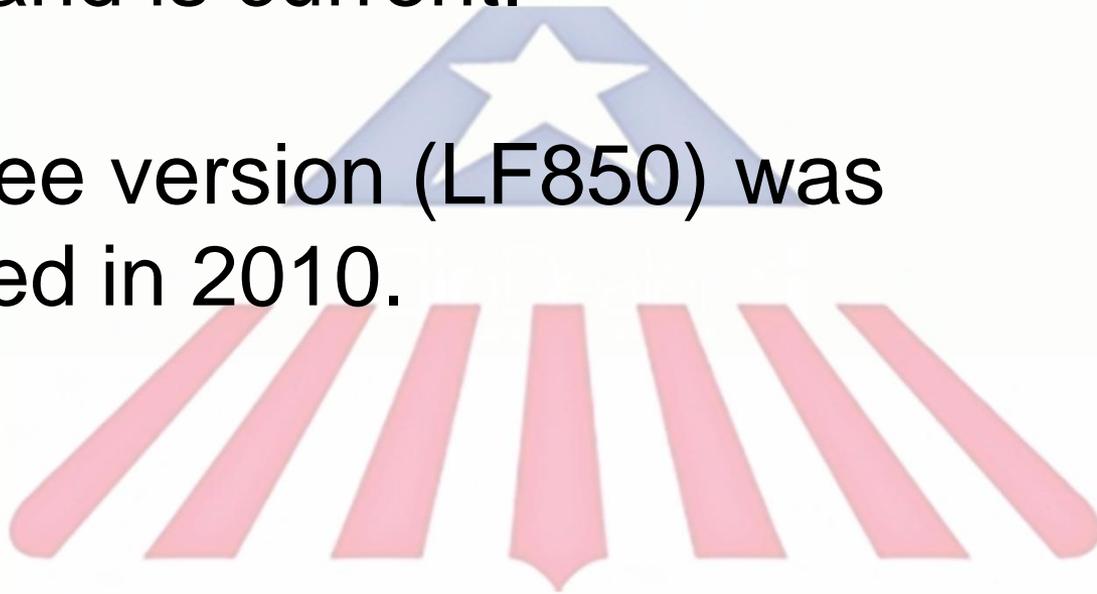
American Backflow  
Products Company



# Modification Overview

Production of the ½ - 2" 850 series began in 1997 and is current.

A lead free version (LF850) was introduced in 2010.



# Check Cover Removal

Check cover is bolted and o-ring sealed.

There is no spring load on the cover.



# Check Valve Removal

Check valve modules.

Modules are o-ring sealed and secured by a retainer.

Check #1 must be removed before #2.

Slide retainer straight out of body.

The checks can now be removed by hand or with a screw driver flat.



# Disassemble Check Module

Module is spring loaded.

Firmly grasp the seat section in one hand and the guide section in the other hand.

Rotate counter clockwise until the two parts disengage. (approx.  $\frac{1}{8}$  turn)



# Check Seat Removal

Check seats are part of each check module.

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



# Check Disc Replacement

Remove retaining screw  
and disc retainer.



# Check Valve Reassembly Notes

Reassemble in reverse order.

Lubricate o-rings.

When replacing check retainer, be sure that the flanged end of the retainer is touching the back side of the #1 check assembly.

Replace cover with #3 test cock on the upstream side.

