

856ST

2 1/2" - 10"



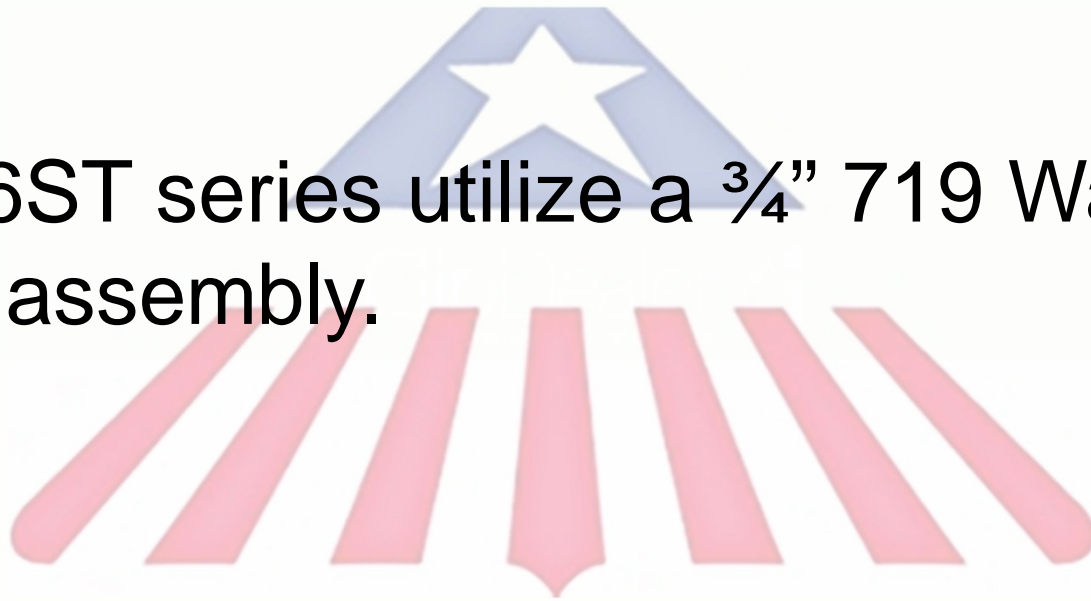
American Backflow
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Modification Overview

Production of the 2 ½" - 10" sizes began in 2011.

The 856ST series utilize a ¾" 719 Watts bypass assembly.



Check Cover Removal

Cover is bolted and o-ring sealed.

There is a slight spring load on cover.



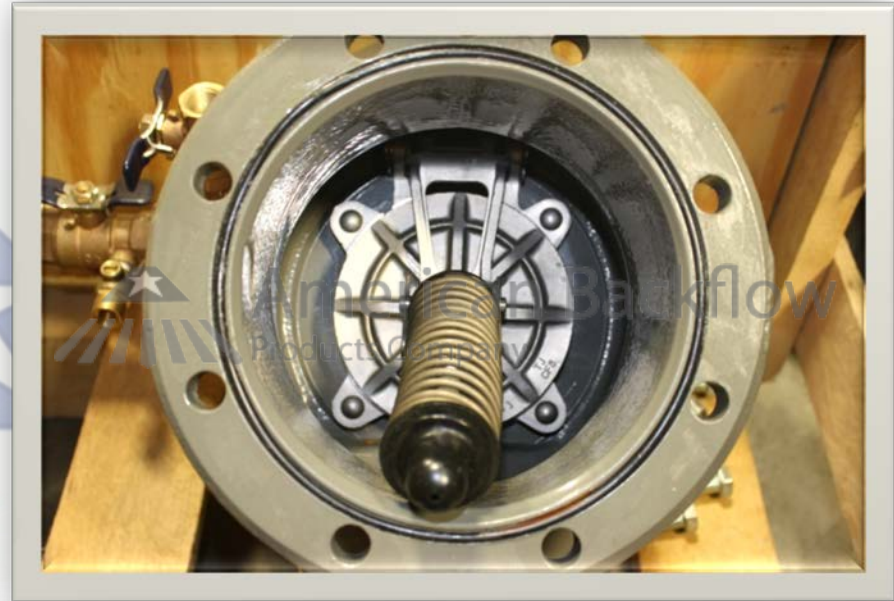
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Check Valve Removal

The check is bolted through the body and sealed by an o-ring.

Locate and remove the four ½” lock nuts on the “**outside**” of the body.

Remove the complete check assembly straight out of the body.



Disassemble Spring Module

Spring tension is captured.

Remove the retaining clip and hinge pin from the arm assembly.



Check Disc Replacement

Remove the 5/16" retaining nuts.

The check disc is free once the retaining plate has been removed



Check Seat Removal

The seat and arm assembly is free when the check is removed from the body.

Inspect bushings and hinge pins for wear.



Check Valve Reassembly Notes

Reassemble in reverse order.

Lubricate the seat and stud o-rings.

Install and tighten the lock nuts on the outside of the body.



Check Valve Reassembly Notes

The spring module is positioned by the cover.

Make sure the pivot bearing is resting in the pivot socket on the cover.

