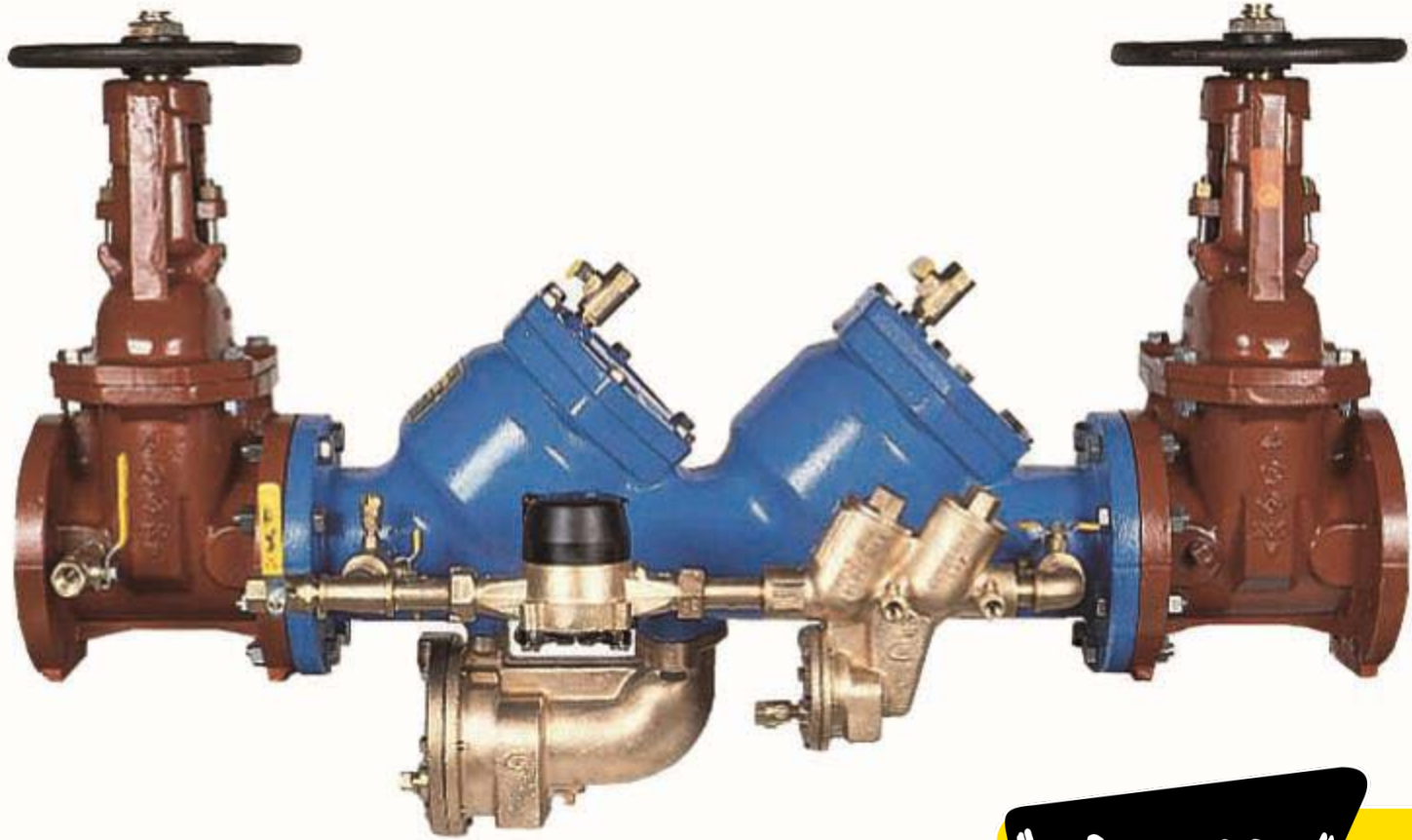


40-700
3" - 10"



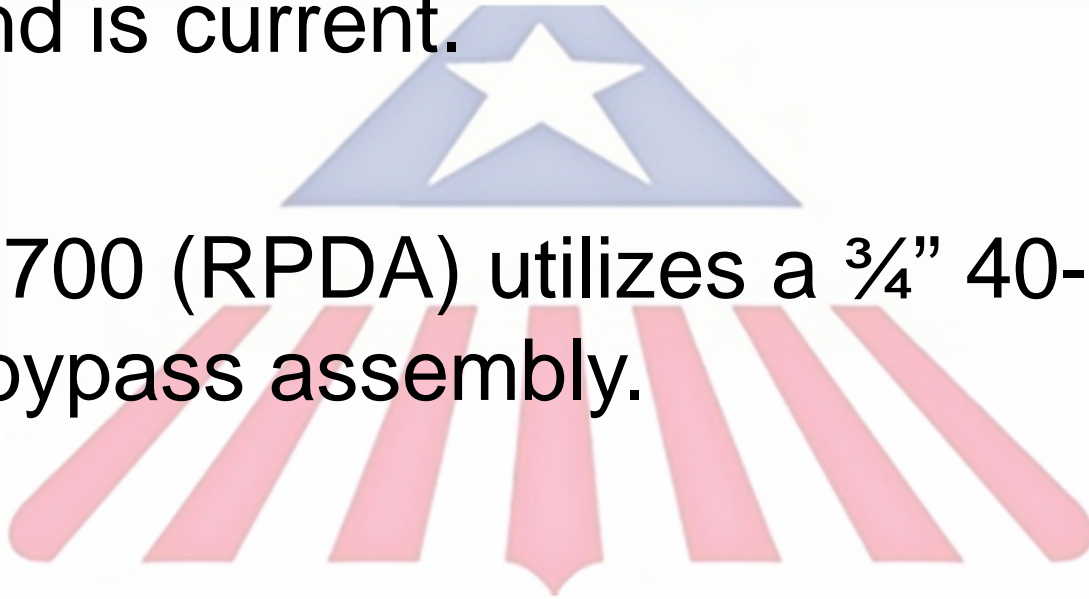
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Modification Overview

Production of the 40-700 series began in 1993 and is current.

The 40-700 (RPDA) utilizes a $\frac{3}{4}$ " 40-200 for the bypass assembly.



Check Cover Removal

Cover is o-ring sealed.

Loosen bolts $\frac{3}{8}$ ". Spring load is now released from the cover and retained by the check assembly.

Verify spring load before removing all the bolts.



Check Valve Removal

Center stem guided
check assembly.
Slide subassembly
straight out of seat
and body.



Check Seat Removal

2 ½" - 8" sizes are threaded into the body and o-ring sealed.

A special tool is required to remove the seat.

10" size is bolted into the body and o-ring sealed.



Check Disc Replacement

2 ½" - 6" remove the nut and retaining plate.

8"-10" remove the retaining plate bolts and retaining plate.



Check Valve Reassembly Notes

Reassemble check valves in reverse order.

Apply lubricant to o-rings.



RV Cover Removal

RV cover is sealed by the diaphragm.

No spring load on cover.

Remove outer diaphragm.

8"-10" the diaphragm is an integral part of the RV module.



RV Module Removal

Module is o-ring sealed.

Grasp the diaphragm plate and pull the module straight out of the body.



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RV Seat Removal

Unless damaged there is no need to remove the RV seat.

RV seat is threaded and o-ring sealed.



RV Disc Replacement

Holding the module firmly, remove the screw and retaining washer.

Remove the seat disc.



Disassemble RV Module

Module is spring loaded.

Holding the diaphragm plate firmly, remove the screw or bolt.



Disassemble RV Module

Remove the bushing from the stem.

Remove the stem o-ring.



RV Reassembly Notes

Replace and lubricate o-rings.

Reassemble in reverse order.

Push RV module straight into body.

Make sure diaphragm does not cover hole for sensing line.

