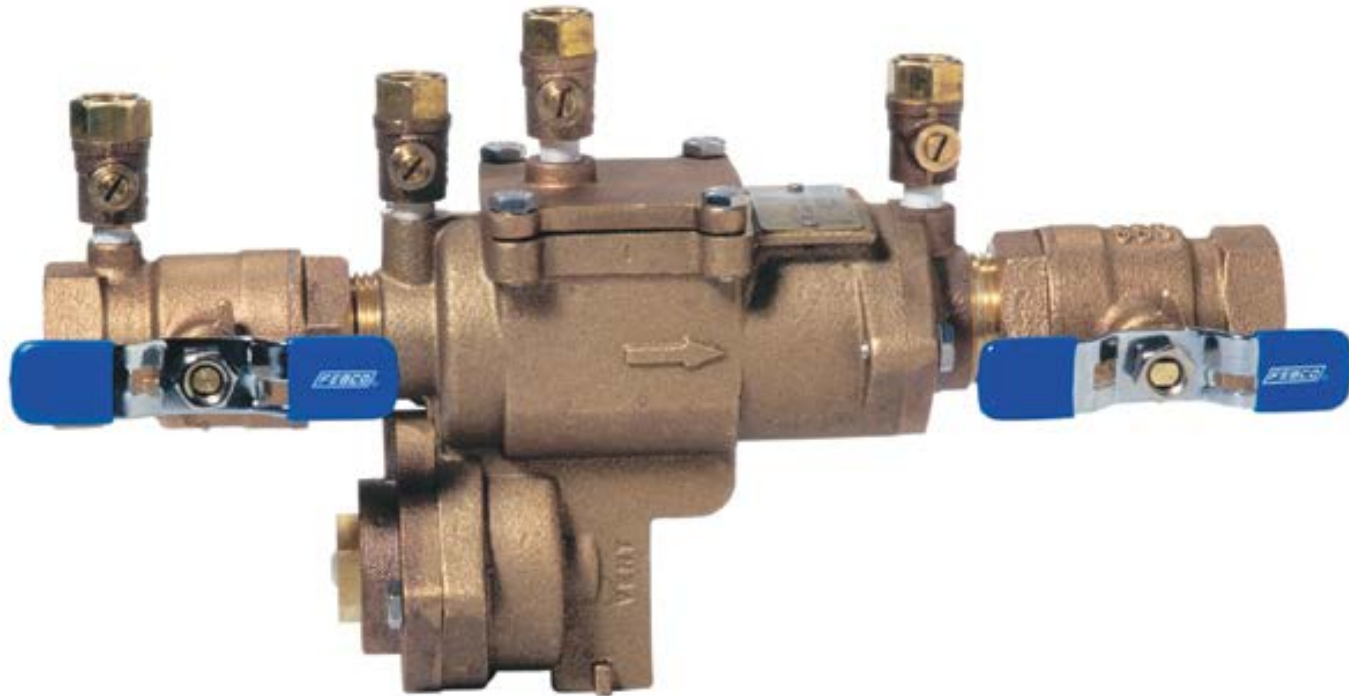


860 (LF) & 880 1/2" - 2"



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Modification Overview

Production of the ½ - 2” 860 series began in 1997 and is current.

The 880 is an “N” shaped version.

A lead free version (LF860) was introduced in 2010.

Check Cover Removal

Check cover is bolted
and o-ring sealed.

There is no spring
load on the cover.



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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 flat head screw driver.



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

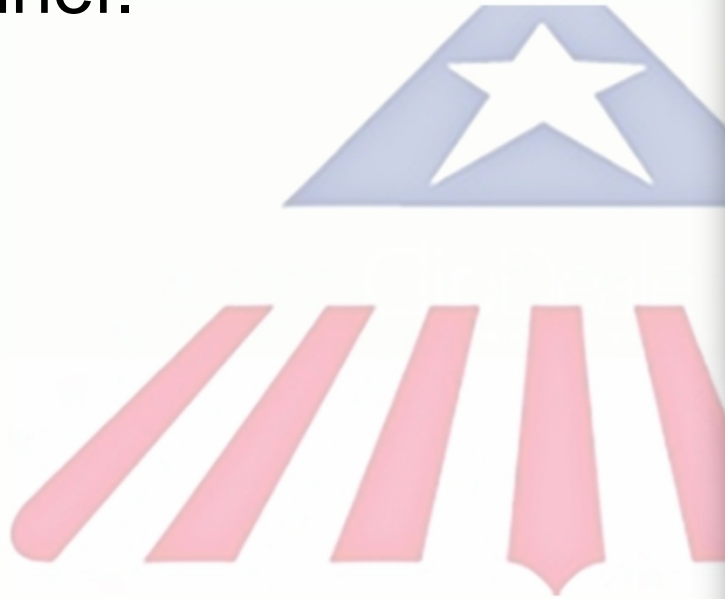
Check seats are part of each check module.

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.



RV Cover Removal

Cover is sealed by the diaphragm.

Loosen brass cylinder in center of RV cover.
(¼ turn) counter clockwise.

There is a slight spring load on the cover.

Hold cover while removing the cover bolts.



RV Module Removal

The RV module will be attached to the cover.



RV Seat Removal

The RV seat is sealed by a gasket.

Simply pull the seat out of body.



Disassemble RV Module

Remove the brass cylinder from the cover.

Grasp the outer diaphragm and pull away from cover until the small diaphragm comes out through the hole in the cover completely.

Remove the two slip rings from cover.



Disassemble RV Module

Unscrew the module by holding the stem retainer with a wrench and the disc guide with the other hand.



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RV Rubber Replacement

The diaphragm and seat disc are free once the stem is disassembled.

Reassemble rubber in reverse order.



RV Seat Replacement

Apply lubricant to both sides of the seat gasket. This will help hold the gasket & seat ring in place.

Insert the short end of the seat ring in the vent opening.



RV Module Reassembly

Apply lubricant to both sides of one slip ring and insert it in the top of the RV cover.

Form the small diaphragm into a “tulip” shape.



RV Module Reassembly

Insert the small diaphragm end of the module through the hole in the cover.

Form the small diaphragm so that it lays flat in the top of the cover.

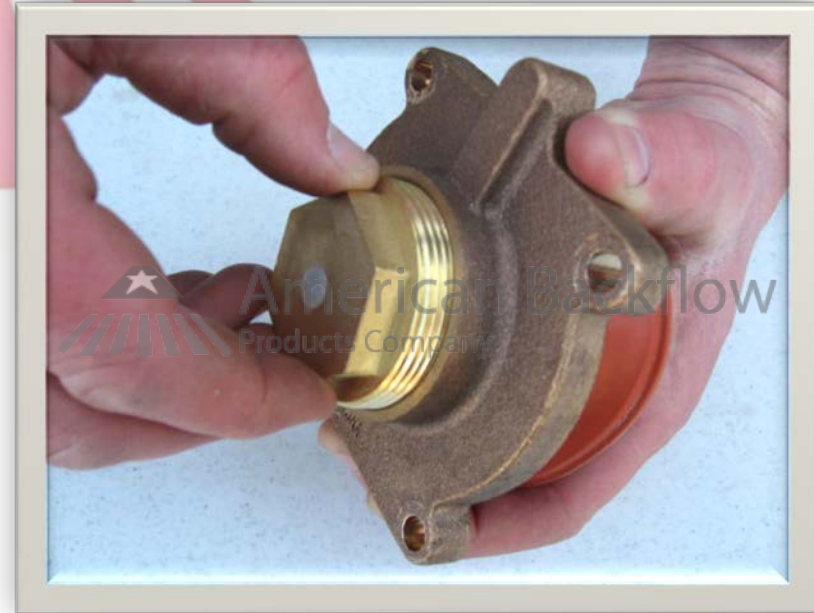


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RV Module Reassembly

Apply lubricant to both sides of the second slip ring and insert on top of small diaphragm.

Thread the brass cylinder into the RV cover. (hand tight)



RV Module Reassembly

Form the large diaphragm so that the bead is properly seated in the bore of the RV cover.



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RV Module Reassembly

Position the spring over the guide on the RV module.

Check to make sure the sensing line o-ring is in place.



RV Reassembly Notes

Once cover is bolted and secure, tighten the brass cylinder.

