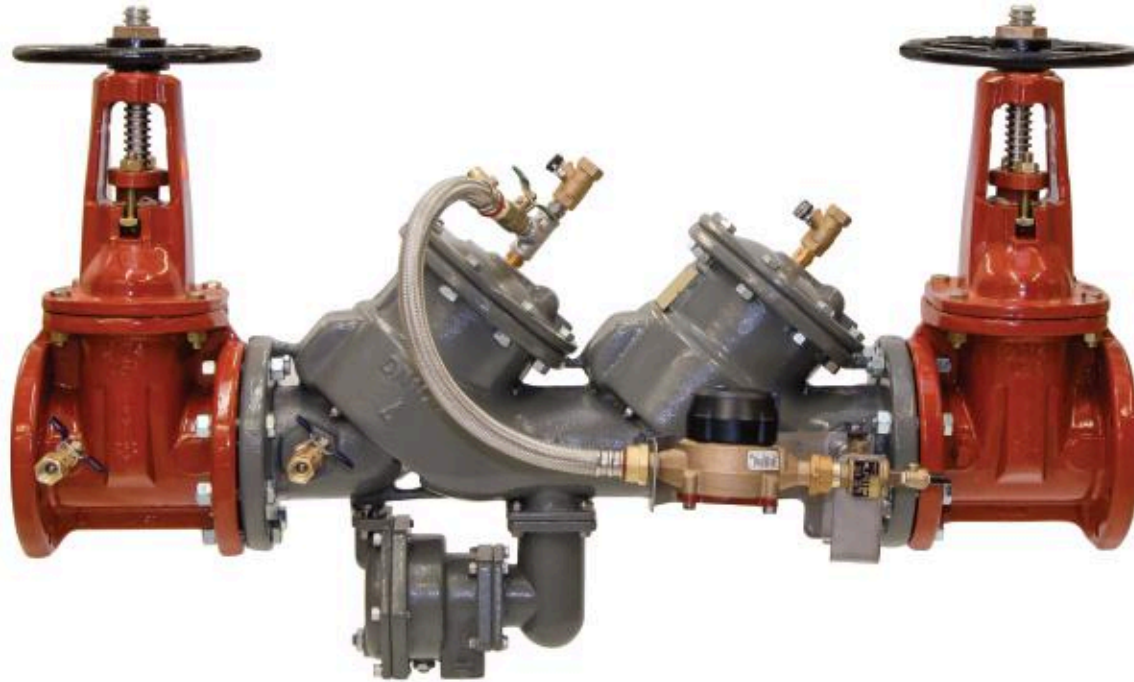


LF866

2½" - 10"



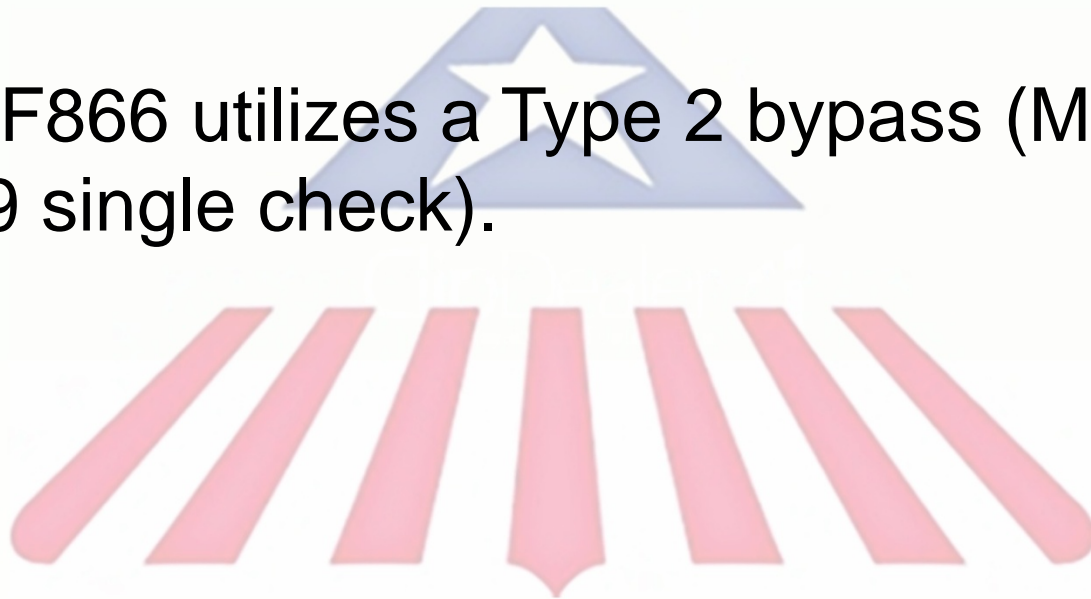
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Product Overview

Production of the 2½” – 10” sizes began in 2014.

The LF866 utilizes a Type 2 bypass (Model LF619 single check).



Check Cover Removal

Cover is bolted and o-ring sealed.

There is a slight spring load on cover.

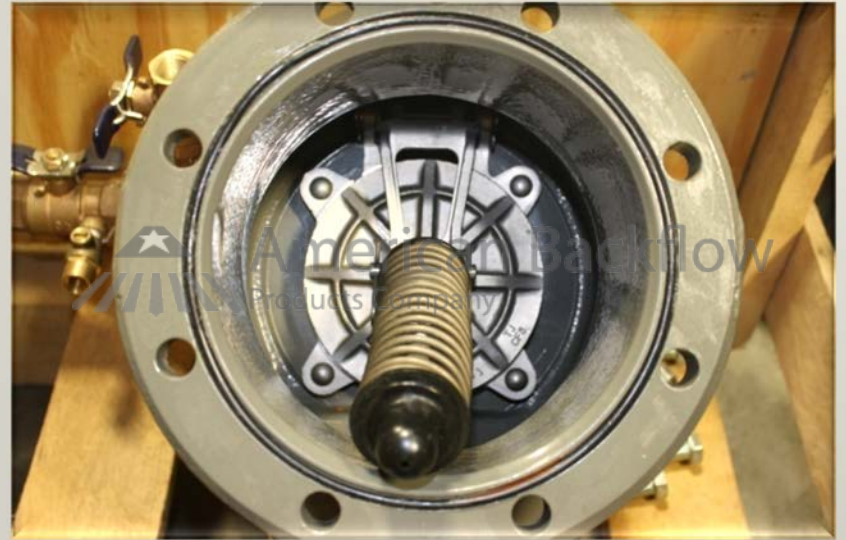


Check Valve Removal

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.



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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.



RV Cover Removal

Remove external sensing line.

RV cover is sealed by the diaphragm.

No spring load on cover.

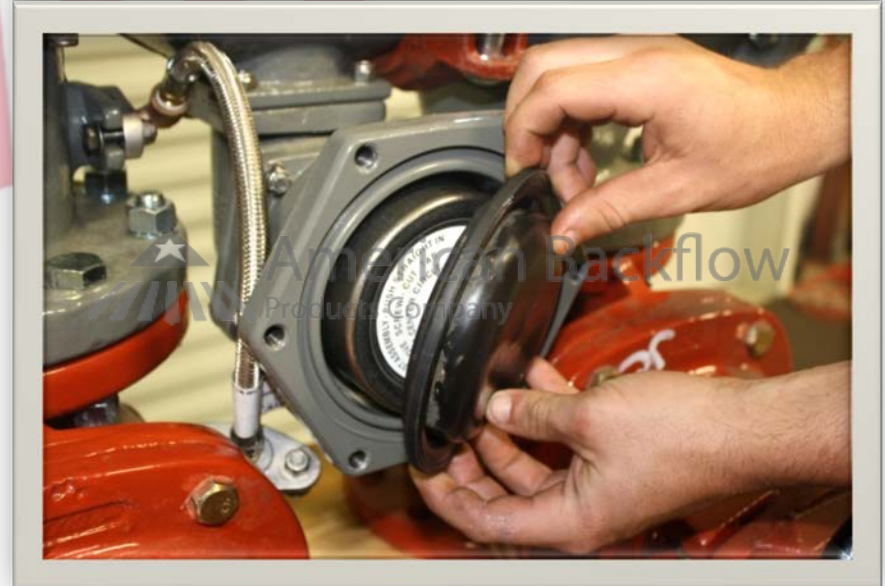
Remove the hex bolts with a #8 hex key.



RV Cover Removal

RV cover is sealed by the diaphragm.

The diaphragm is free once the cover is removed.



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RV Module Removal

Module is o-ring sealed.

Pull module straight out of body.

- * Grasp the module (button) with one hand and insert fingers (other hand) into RV port and apply force to the seat disc.



- * Do not twist module.

RV Seat Removal

RV seat is mounted between the RV housing and the RV adapter.

Remove the 4 nuts and bolts on the adapter and remove housing.

Seat is o-ring sealed.

Pull the seat straight out.



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Disassemble RV Module

Place the module on a flat surface with lower guide facing up.

Hold the main stem with one hand and unscrew the lower guide.



Disassemble RV Module

With lower guide removed, place the module upside down on a clean surface.

Remove center of protective sticker (Save).

Hold the button firmly and loosen screw.

* Button is spring loaded.



Disassemble RV Module

Remove the screws from the stainless steel inner diaphragm retainer.



Remove the plastic inner diaphragm plate.



Disassemble RV Module

The main stem and upper bushing are free once the inner diaphragm plate has been removed.



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Inner Diaphragm Replacement

Position the bead of the inner diaphragm into the groove of the plastic upper guide.

Place inner plate over diaphragm and press into position.



Inner Diaphragm Replacement

Secure the diaphragm retainer and replace screws.



Spring / Button Replacement

Position flow washer on diaphragm with the cross channels facing up.

Place the spring over the upper guide.

Place button on spring and hold down firmly.

Replace flow screw.

Reposition center label piece.



RV Disc Replacement

Replace the RV disc in main stem.

Replace the lower stem guide.

Replace and lubricate o-ring on main guide



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RV Reassembly Notes

Push the RV module straight into body.

** Do not twist.

Replace outer diaphragm with the bead positioned in the groove of the body.

Install cover.

