

# 4V-500

# 1/2" - 2"



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# Modification Overview

Production of the 4V-500 PVB began in 1998.

The 4V utilizes a float assembly that contains a relief valve that protects the unit against freeze damage.



# Canopy Removal

The canopy is secured by two screws.



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# Bonnet Removal

The bonnet is threaded into the body and sealed by an o-ring.

Unscrew the bonnet counter clockwise.

There is no spring load.



# Float Removal and Service

The float is part of the bonnet assembly.

If the float or float spring is damaged, the bonnet must be replaced.



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# Check Valve Removal ½”- 1”

The check valve is a module.

The check valve is threaded into the body and sealed by an o-ring.

A special tool is needed to remove the check module.



# Check Valve Removal 1 ¼" - 2"

The 1 ¼" & 1 ½" check modules are secured by a retainer that is threaded into the body.

The 2" check valve is not modular and is spring loaded.

Unscrew the spring retainer counter clockwise.



# Check Disc Replacement

The 1/2" - 1 1/2" rubber discs are part of the check module.

If the disc is damaged, the check module must be replaced.

The 2" disc is free once the screw and retainer are removed.





# Check Seat Replacement

The ½”- 1 ½” check seats are part of the check module.

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

The 2” check seat is threaded into the body and sealed by an o-ring.

A special tool is needed for seat replacement.



# Reassembly Notes

Reassemble in  
reverse order.

Lubricate the bonnet  
and check o-rings.

