

4V-500

1/2"-2"



 **CONBRACO**

'Apollo' Valves

Modification Overview

- The ½"-2" 4V-500 PVB was produced with a float assembly that contains a relief valve that protects the unit against freeze damage.

Canopy Removal

- The canopy is secured by two screws.



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.



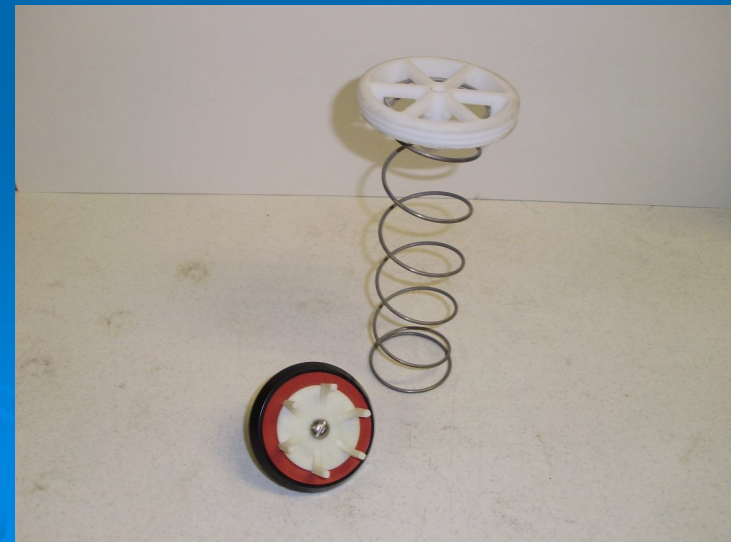
Check Valve Removal ½"-1"

- The check valve is a module.
 - The check valve is threaded into the body and sealed by an o-ring.
- * Note: A special tool is needed to remove the check module.



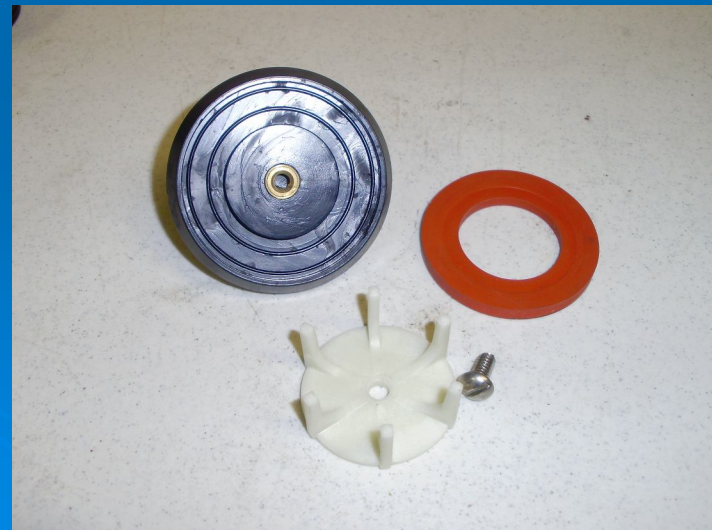
Check Valve Removal 1 1/4"-2"

- The 1 1/4" & 1 1/2" 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 ½"-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 1/2" 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.

