

CONBRACO SERIES 40-100

Sizes 1/2" — 2"

IV MAINTENANCE INSTRUCTIONS

A. Disassembly — Check Valves

1. Close #2 shut-off valve, then close #1 shut-off valve.
2. Bleed pressure from the assembly by opening #2, #3, and #4 test cock.

CAUTION:

Caps are spring loaded and should be removed carefully to avoid personal injury.

3. Unscrew cap using hex head provided.
4. Remove spring and poppet assembly from the body.

B. Disassembly — Check Valve Poppet

CAUTION:

Do not use pliers or other tools which may damage or scratch the plastic stem.

1. Holding the poppet assembly in one hand, remove screw and retaining washer.
2. Remove the seat disc.

SERIES 40-100 SERIES 40-600

IV Maintenance Instructions

A. Disassembly — Check Valves

1. Close #2 shut-off valve, then close #1 shut-off valve.
2. Bleed pressure from the assembly by opening #2, #3, and #4 test cock.
3. Remove cover bolts and cover.

NOTE:

The spring load on the cover will be removed when the cover bolts are backed off approximately 3/8."

4. Remove the complete check assembly straight out of the valve body being careful not to damage the seat ring.
5. The check valve seat is threaded into the body and may be removed at this time if necessary (The seat is bolted into the body on the 10" unit).
6. To remove the seat disc, remove the retaining plate nut

3. All parts should be carefully inspected for any damage or excessive wear and thoroughly rinsed in clean water prior to reassembly. Replace worn parts as necessary.

C. Assembly — Check Valve Poppet

1. Install new disc in poppet, secure disc with retaining washer and screw.

NOTE:

Due to symmetry of the disc, the old disc may be turned over to obtain an effective seal.

D. Assembly — Check Valve

1. Install the poppet assembly into the body.
2. Install the spring onto the poppet.
3. Apply a thin coat of silicone based lubricant on cap o-ring.
4. Guide cap over spring and poppet stem and tighten cap.

Sizes 2-1/2" — 10"

(On the 8" & 10" units remove the retaining plate bolts) and retaining plate, remove disc.

WARNING:

The check valve spring is held in compression by the stem nut on top. This nut should not be removed unless the spring requires replacement.

B. Assembly — Check Valves

1. Install seat disc in holder and secure with retaining plate and retaining nut or bolts as applicable.

NOTE:

Due to the symmetry of the disc, the old disc may be turned over to obtain an effective seal.

2. Install the check valve assembly into the body.
3. Install the check valve cover and tighten bolts evenly.