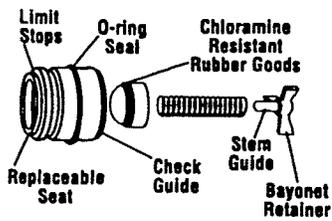
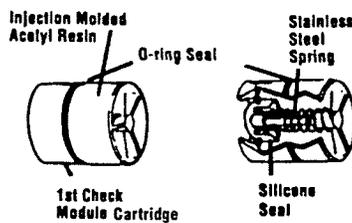


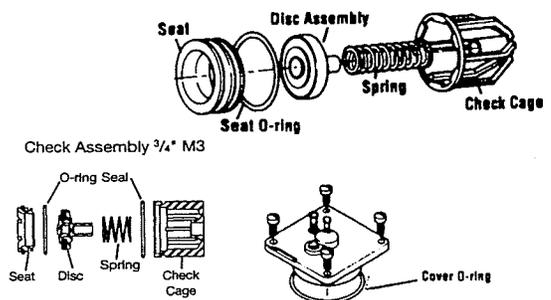
## CHECK ASSEMBLY 3/4"



## CHECK ASSEMBLY 1/2"



## CHECK ASSEMBLY 1" - 2"

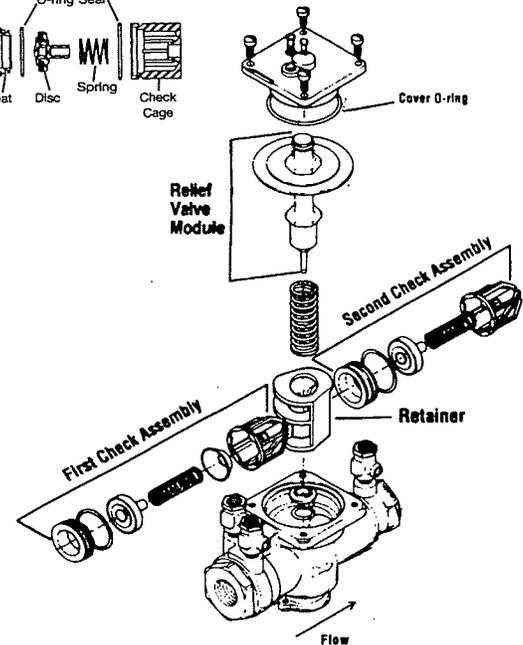


## Removing and Installing Check Assemblies

1. Remove the retainer from the body. The check valve cartridges can now be removed from the valve by hand or with a screwdriver. The first check cartridge must be removed before the second check cartridge can be removed. Note: The seats and springs of the first and second check cartridges are not interchangeable. The heavier spring and smaller diameter seat belong with the first check cartridge.
2. The check seats are attached to the cage with a bayonet type locking arrangement. Holding the cage in one hand, push the seat inward and rotate counter-clockwise against the cage. The seat, spring cage, spring and disc assembly are now individual components.

**Note:** 3/4" cartridges snap apart.

3. The disc assembly may now be cleaned and re-assembled or, depending on its condition, may be discarded and replaced with a new assembly from the repair kit. O-rings should be cleaned or replaced as necessary and lightly greased with the FDA approved grease.
4. Re-assemble the check valve cartridge. Check cartridges are installed in the valve body with the seat facing the valve inlet. The cartridges must be securely in place before the retainer can be replaced. The 3/4" size retainer may have to be tilted slightly into place. Re-place relief valve assembly.



## Removal and Service of the Relief Valve

1. Remove the relief valve cover bolts while holding the cover down.
2. Lift the cover straight off. The stem and diaphragm assembly will normally remain with the cover as it is removed. The relief valve spring will be free inside the body at this point.
3. The relief valve seat is located at the bottom of the body bore, and can be removed, if necessary, for cleaning. The disc can be cleaned without disassembly of the relief valve. If it is determined that the relief valve diaphragm and/or disc should be replaced, the relief valve module can be readily disassembled without the use of special tools. **Note:** the disc rubber is molded into the disc holder and is supplied as a disc holder assembly.
4. To re-assemble the relief valve, press the seat firmly into place in the body, center the spring on the seat, and insert the cover and relief valve module as a unit straight into the bore. Press down on the cover to assure proper alignment. Insert and tighten bolts.

**Caution:** If cover will not press flat against body, stem assembly is crooked and damage can result. Re-align stem and cover before bolts are inserted.

