



Inspection & Maintenance Manual  
for the:

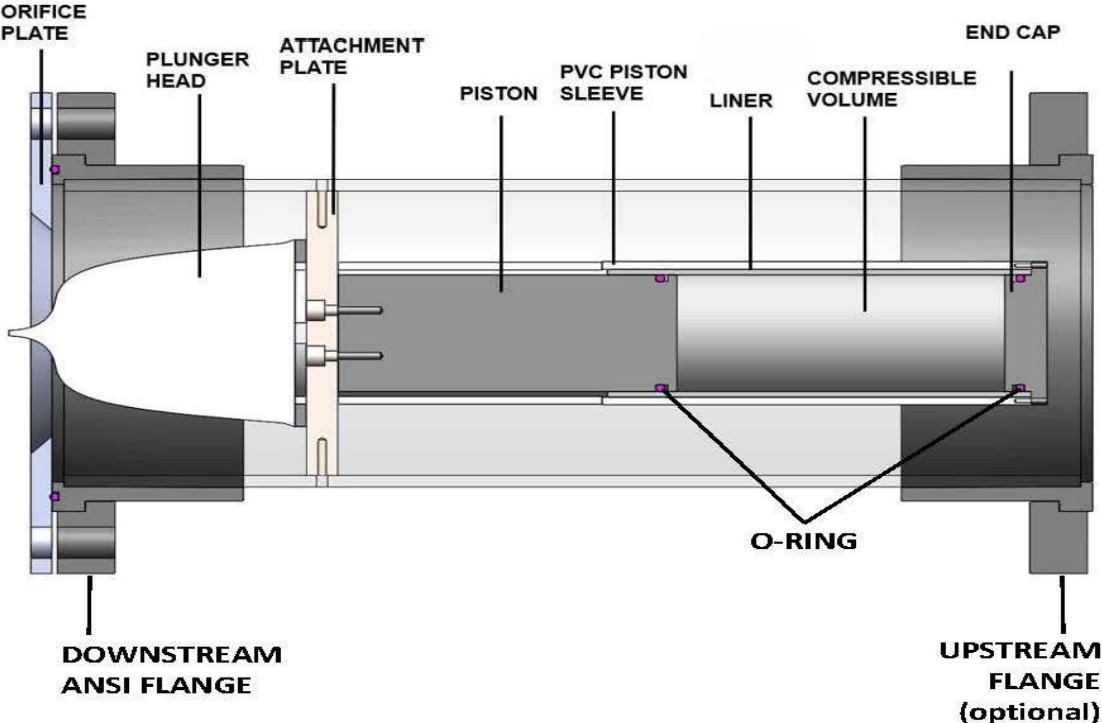


Flow Control Valve

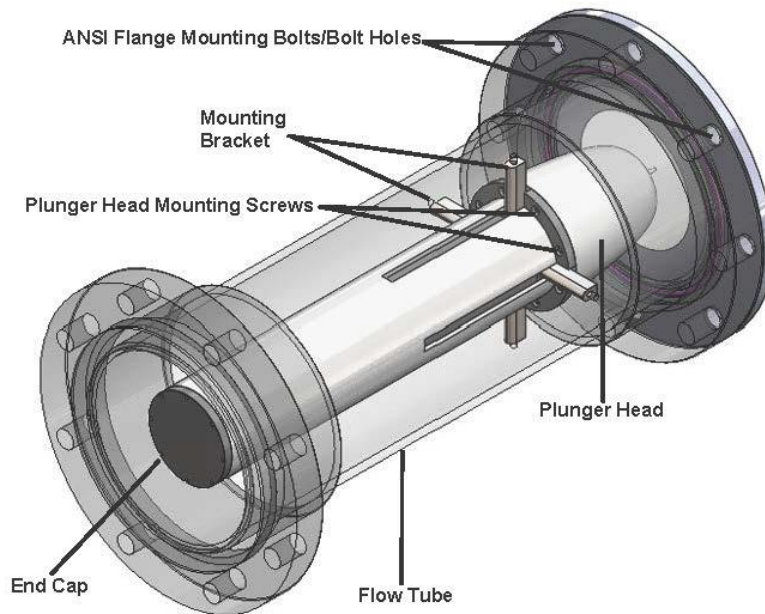
FluidDruid™s are comprised of parts as shown in Figure 1 below.

### FIGURE 1

The upstream flange may, or may not, be present. On some valves, this flange may have a screen over it. A perspective view of the FluidDruid™ is provided on the next page.



**Figure 2**



The End Cap (Figures 1 and 2) is at the inlet side of the valve. The downstream ANSI Flange (Figures 1 and 2) is toward the outlet side of the FluidDruid™ and, in some cases, a flange can be used to connect the valve to a fixture on the weir wall in the outlet control structure.

### **Yearly Inspection**

The FluidDruid™ is normally mounted so that the base of the Flow Tube (Figure 2) is more or less even with the water level during dry weather. In this case, the FluidDruid™ can be inspected from grade level. Simply lift the manhole lid and examine the FluidDruid™ from above. If there are no obvious signs of structural damage to the valve, and the plunger is not protruding downstream of the outlet control weir, the valve should be operating as designed and no further inspection is needed.

## Optional 5 Year Routine Inspection and Maintenance

If more thorough Inspection and Maintenance of the FluidDruid™ is desired, the following steps are suggested. These apply when the FluidDruid™ is mounted above the water line during dry weather as will normally be the case. In this condition, the inspection can be done while the FluidDruid™ is in place, or if preferred, it can be unbolted from the weir plate and moved above grade.

1. If an upstream flange and screen are present, remove the screen by unbolting it from the flange. If there is no upstream flange or screen, proceed to Step 2.
2. Unscrew the End Cap from the Piston Sleeve.
3. Inspect the Inner Liner and o-rings (Figure 1) for any sign of wear or degradation. Note that black rubber marks on the Inner Liner can be a sign of o-ring wear.
4. If there are no signs of wear or degradation to the Inner Liner or o-rings, use a non-toxic silicon spray to lubricate the o-rings and inner liner. (If there are signs of wear, contact StormWizard™ for a replacement o-ring.)
5. Pull the piston sleeve back so that the plunger head is firmly against the mounting bracket.
6. Replace the end cap and screen (if present).

Contact StormWizard at: 1(888) 695-4775 or email us at: [info@StormWizard.com](mailto:info@StormWizard.com) with any questions you may have about Inspection and maintenance.