

## **MODEL Y70/95 LAWN HYDRANTS TROUBLESHOOTING AND MAINTENANCE**

### **Water leaks from the nozzle when the hydrant is off.**

The plunger (10105) may be worn or damaged and needs to be replaced. Follow instructions below on how to remove the operating pipe. If the hydrant leaks just after installation, the valve seat may be fouled with debris, such as small rocks. The operating rod will have to be removed and the hydrant casing flushed.

### **Packing leak. Water leaks from around the brass stem below the linkage when the hydrant is on.**

The packing nut will occasionally need to be tightened to stop a packing leak. Tighten the packing nut until snug and the leak stops. Persistent leaks will require a new packing (50024).

### **Hydrant leaks from below the ground level when the hydrant is on.**

A small leak may be the result of a leak at the drain hole. Replace the plunger if it is old and worn. Follow instructions below on how to remove the operating pipe. A large leak may be the result of a hole in the pipe casing caused by electrolysis corrosion. Some soil conditions can cause premature failure of the pipe casing near the valve body. Brass pipe is recommended for these conditions.

### **Hydrant will not flow water when the hydrant is on.**

The vacuum breaker may be obstructed or damaged. Remove the vacuum breaker and check to see if the faucet flows water with the vacuum breaker removed. Inspect the vacuum breaker for obstruction or damage.

### **Hydrant will not drain when shut off.**

Make sure the hydrant is shut off completely and the vacuum breaker is turned counterclockwise and unseated from the nozzle. A poor drain field around the valve body or a blocked drain hole will also prevent drainage.

### **Operating pipe removal.**

To remove the operating pipe from the hydrant, shut off the water supply to the hydrant and remove the packing nut and head nut cover. Turn the stem clockwise until it is seated, but not overly tight. Loosen and turn the head nut assembly counterclockwise while turning the operating stem clockwise until the threads disengage from the head casting. With the stem screw engaged in the yoke nut, pry up until the plunger pulls loose from the valve seat. To remove the plunger, use either pipe wrenches or vise grips.

To reinstall the operating pipe, unthread the rod from the head nut assembly and push the operating rod into the hydrant. The wing on the yoke nut goes in the groove inside the head. Start the stem screw thread into the yoke nut and turn the stem counterclockwise until it the head nut threads can be engaged in the head. Thread the head nut assembly into the head clockwise while turning the operating stem counterclockwise. Reinstall the head nut cover and packing nut.