



**INSTALLATION, MAINTENANCE AND TROUBLE SHOOTING
OF THE WOODFORD MODEL S3 HYDRANT**

www.woodfordmfg.com or call 1-800-621-6032



INSTALLATION

The reservoir of the S3 extends below frost level. The S3 is designed to be 28½ inches from grade to the bottom of the nozzle outlet and extend 10½ to 18¾ inches from bury depth to the bottom of the lower casting, depending on bury depth.

The supply line should be installed at least 12 to 20 inches below normal bury depth in order to permit installation. For convenient maintenance, it is recommended that a shut-off valve be installed ahead of each hydrant.

WARNING: FLUSH THE SUPPLY LINE BEFORE CONNECTING THE HYDRANT

With the hydrant completely assembled, make the connection at the lower casting, being careful to select the direction the outlet is to face. Use temporary braces to keep the hydrant plumb and the outlet 28½ inches above grade while backfilling. It is recommended that the area immediately around the hydrant reservoir be backfilled by hand and the soil be carefully compacted to avoid settling or undesirable displacement of the hydrant.

Six (6) inches from grade to top of reservoir is recommended to prevent possibility of standing water entering reservoir. Test operation after installation.

MAINTENANCE

To remove hydrant from reservoir:

1. Turn off water supply.
2. Remove three screws (#30) located on the side of the casing cover (#32).
3. Pull hydrant straight up; do not twist.

To reinstall:

1. Before replacing the hydrant, turn the supply water on briefly to flush out the reservoir.
2. Clean or replace the O-rings (#21). Lubricate with silicone or other non-toxic lubricant that is safe for rubber.
3. Clean or replace the reservoir O-ring (#29) inside the casing cover. Lubricate with silicone or other non-toxic lubricant that is safe for rubber.
4. Reinsert the hydrant in the reservoir. Do not twist. Align the holes in the casing cover with the holes in the reservoir. Replace and tighten screws.
5. Turn on supply pressure and check for leaks.

TROUBLE SHOOTING

HYDRANT LEAKS FROM NOZZLE WHEN HYDRANT IS OFF

1. Handle linkage out of adjustment. Handle should "snap" closed when it is approximately 2" from the head casting upon turning the hydrant off. Adjust linkage to increase tension or lengthen linkage as required.
2. Rocks or other debris in the valve seat, causing plunger not to seat properly. Remove head and operating rod. Turn on water and flush casting. Examine plunger for indentations and replace if necessary.
3. Plunger (#17) is damaged. Replace with new.
4. O-ring (#21) damaged. Remove hydrant from reservoir. Inspect O-rings; replace if necessary. Lubricate O-rings with silicone. Reinstall hydrant.
5. Check Valve (#23); fouled or damaged. Remove hydrant from reservoir. Remove siphon tube assembly. Inspect for damage or anything fouling the check valve seat. Flush the check valve if fouled. Replace if damaged.

OPERATION

The hydrant shall be run for a minimum of 60 seconds before user draws water for drinking.

FOR WINTER USE: The hydrant must be operated at full flow through the diverter for a minimum of 30 seconds before and after each use, to drain the hydrant and prevent freezing.