



Hydrant Meter Freeze Protection

It is the responsibility of the applicant to protect the construction hydrant meter/RP assembly.

Hydrants should be opened during daily use and shut at night. The customer shall operate the assembly using the meter gate valve only.

To prevent damage to the complete assembly during winter months or freezing temperatures, field crews after closing the hydrant should follow the procedure below.

1. At the end of each day after shutting the hydrant, disconnect the hose from the backflow prevention assembly, open the meter gate valve and RP assembly shutoff ball valves to allow the hydrant meter and RP assembly to fully drain.
 - a. Draining the complete assembly at the end of each day will help avoid costly freeze damage.
2. After draining the assembly, leave the meter gate valve fully open, and place the RP assembly shutoff ball valves in the half-open position (the valve handles should be at a 45° angle).
 - a. This prevents water from being trapped between the ball in the shutoff valve and the valve body, so if it does freeze, the valve is less likely to be damaged).
 - b. Cover the device with a concrete blanket or similar device, leaving the ground under the hydrant meter/RP assembly exposed.
 - i. During the day, when the meter is in use, if the outside temp is above freezing, leave the blanket off the device so the meter/RP assembly and the ground under it can be warmed by the sun.

NOTE: DO NOT WRAP THE DEVICE IN FIBERGLASS INSULATION, THIS DOES NOT PREVENT THE DEVICE FROM FREEZING AND MAKES IT IMPOSSIBLE TO READ THE METER OR TEST THE HYDRANT METER/RP ASSEMBLY. IF THE HYDRANT METER/RP ASSEMBLY IS WRAPPED WITH FIBERGLASS INSULATION, YOU WILL BE CHARGED FOR THE TIME THE CREWS SPEND REMOVING THE INSULATION.

3. This method of protection ensures the City's Water Operations staff has access to read the meter each month and allows the RP assembly to vent and be tested. If the hydrant meter/RP assembly is damaged and the City of Prescott deems the assembly unserviceable, the hydrant will be locked off until a fully functional hydrant meter/RP assembly is in place. Replacement parts and the time spent repairing damaged equipment will be charged to the applicant. The timeline for replacement of the meter and unlocking of the hydrant will be contingent on parts availability.