

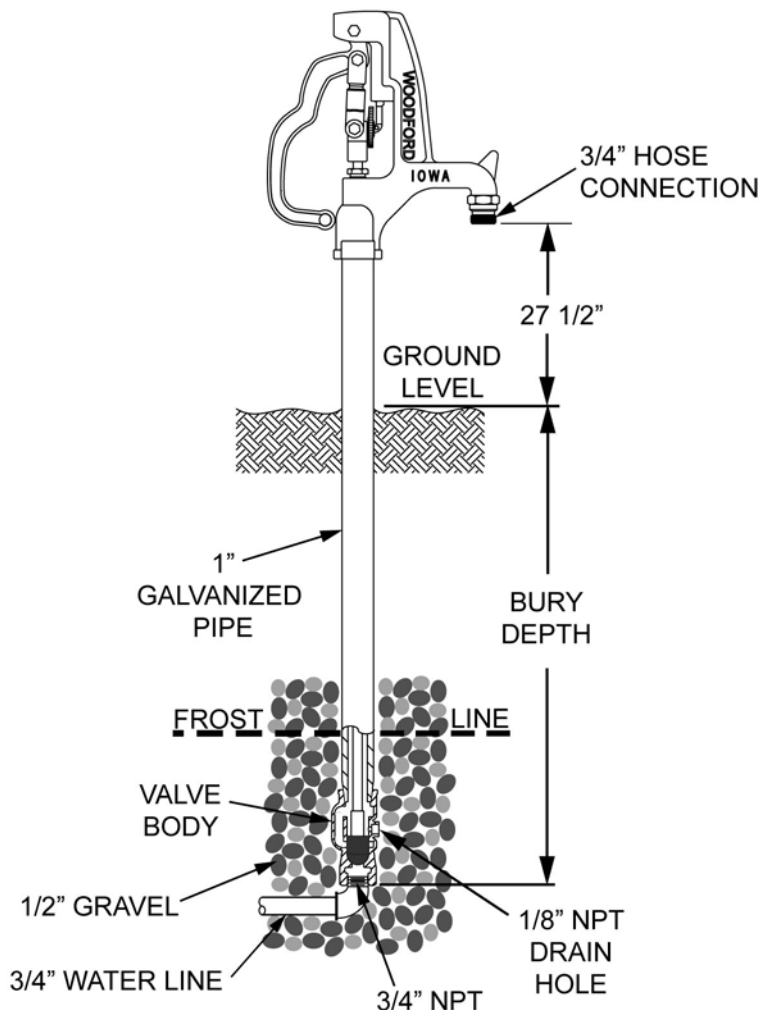
Installation Instructions

Y34, W34 & X34 Yard Hydrants



These instructions do not apply to Sanitary Hydrants or Utility Hydrants.

1. Dig hole for hydrant approximately 2 feet in diameter and deeper than the bury depth.
2. Flush gravel, debris, etc. out of the supply line before connecting hydrant.
3. Install hydrant with drain hole below frost line. Use wrenches on supply line fitting and brass valve body only. This avoids over tightening the hydrant assembly which could affect operation.
4. If supply line to the hydrant will not support hydrant, use re-bar, length of pipe or other suitable support driven in bottom of pit to help support hydrant. Before filling excavation, turn on water and check hydrant connection for leaks.
5. Provisions must be made to allow the water to drain from the hydrant drain hole each time the hydrant is closed.
 - a) Fill bottom of pit with 1/2" gravel to a level about 3" above brass drain valve body, to insure adequate drainage.
 - b) If the hydrant is installed inside a structure or concrete driveway, connect copper drain tubing to the 1/8" NPT drain hole and dig a remote drain field outside the structure for the drain pipe to empty into. Without this remote piping drain field, the water from the hydrant drainage may percolate up to the surface around or near the hydrant and will damage the floor surface or cause muddy areas around hydrant.
 - c) Saturated ground in the hydrant drain field can prevent the hydrant from fully draining and may result in freezing. If the area where the hydrant is located is low lying or has a tendency to have standing water, a larger drain field or pit may be required to provide the hydrant a place to drain.



For more information contact...

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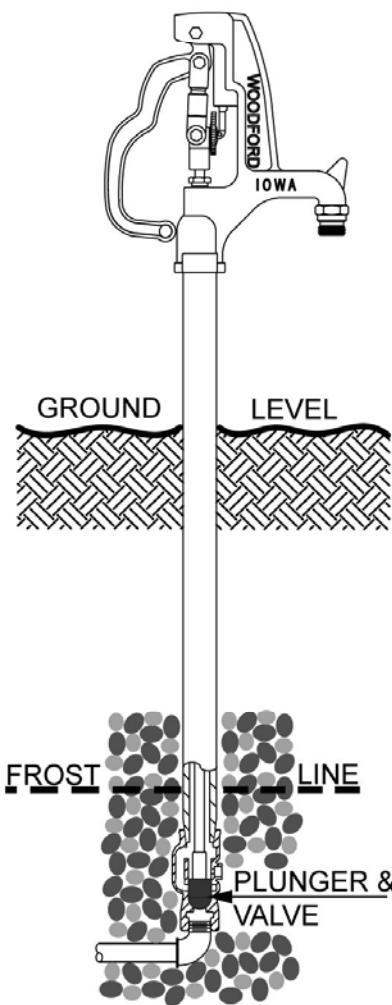
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How a Freeze Proof Hydrant Works

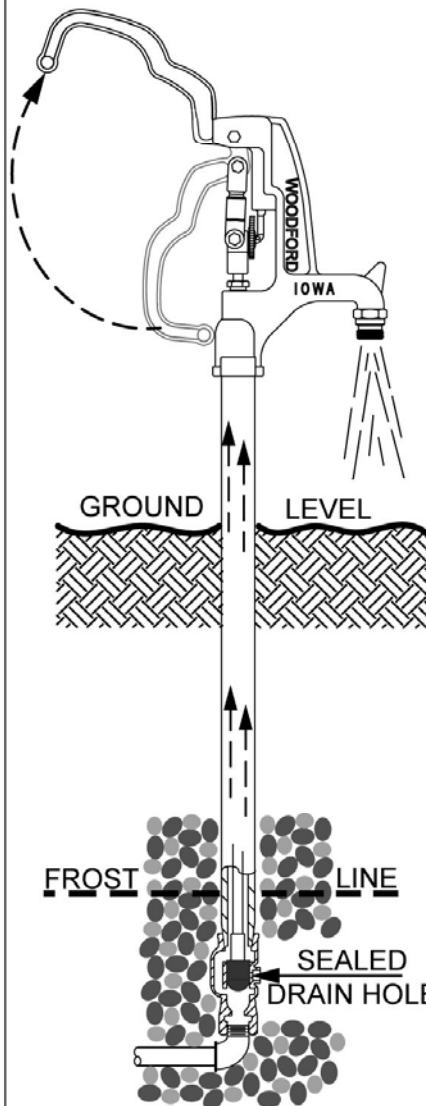
CLOSED

When the hydrant is closed, no water is in the riser pipe or head. The plunger stops water below the frost line where freezing can not occur.



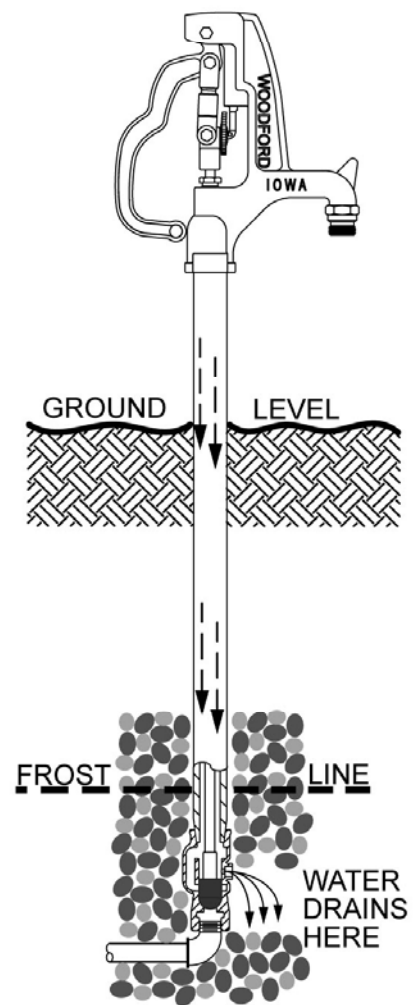
OPEN - WATER FLOWING

Water flows when the handle is raised. The plunger is lifted allowing water to flow while sealing the drain hole.



CLOSED - DRAINING

Closing the handle pushes the plunger down to shut off the water and open the drain hole. This allows the water in the head and riser pipe to drain into the gravel bed. the hydrant is now empty and cannot freeze.



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