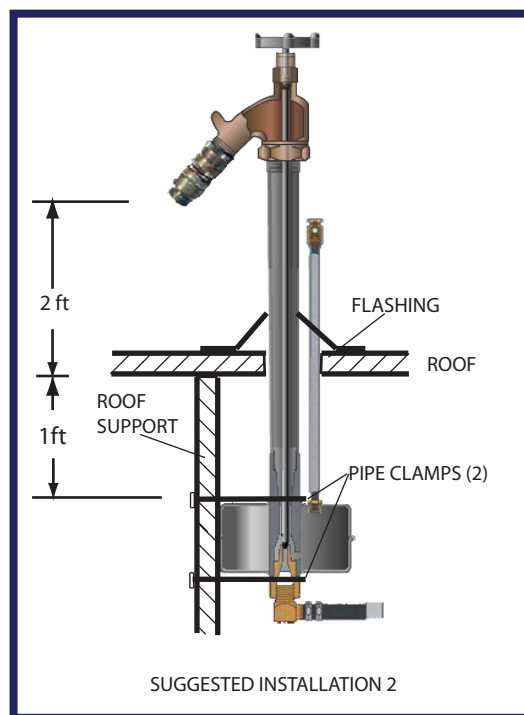
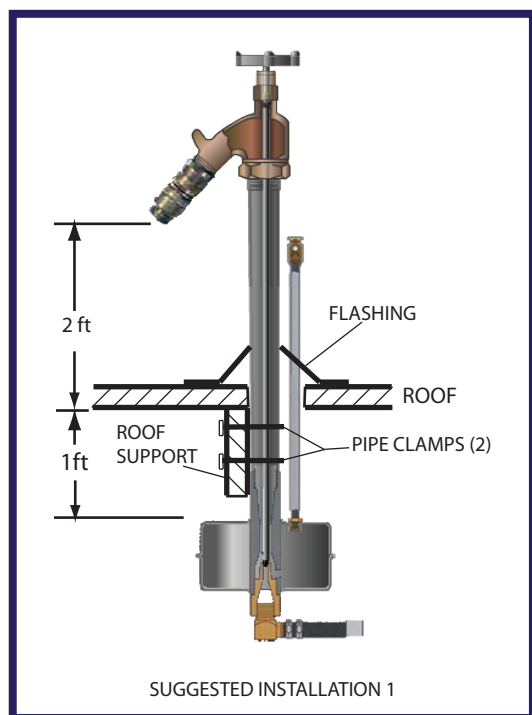


Sanitary Roof Hydrant Installation Instructions

Freeze Flow hydrants are designed for heavy-duty commercial use where safe potable water is needed. This hydrant drains into the canister below the roof line to prevent freeze ups and eliminates the need for a drain line.

INSTALLATION

- 1.) Flush supply lines BEFORE installing hydrant.
- 2.) Hydrant's stainless steel canister must be securely located below the roof. Two suggested installations are described below, your application may require a different solution.



Follow the same steps for either Suggested Installation 1 or 2

- 1.) Remove Head, handle and operating rod as one piece.
- 2.) Insert Roof Hydrant through roof opening.
- 3.) Reassemble head making sure handle is in full open position.

Hydrant canister is stainless steel and pipes are all galvanized steel, which meet ASTM specs. It is the responsibility of the installer to ensure hydrant is properly secured to the building structure and properly sealed when penetrating the roof. It is important that the brass breather, on top of the 1/8" galvanized pipe, is always located above the roof line.

Continued on page 2.

Sanitary Roof Hydrant Installation Instructions Continued

- 3.) Attach hydrant to existing supply line using an approved thread sealant.
- 4.) Check hydrant for proper operation and leaks. Make sure shut off valve does not leak due to debris in supply line or damaged o-ring. A leaking seat can cause hydrant to fill with water and possibly freeze.

Do the following:

- Remove backflow preventer at quick disconnect (Figure 1)
- Operate hydrant at partial flow with thumb over outlet until the water pressure forces past thumb. (Figure 2).
- At this point shut off hydrant.

[With hydrant full of water it is easier to detect if hydrant is leaking. Hydrant should not drip from outlet once hydrant is full of water.]

- If hydrant leaks from outlet, remove operating rod and replace o-ring on stopper tip. (Figure 3)
- 5.) If no leaks are detected then operate hydrant at full flow for 30 seconds to winterize, then replace backflow preventer. (see Winterizing)

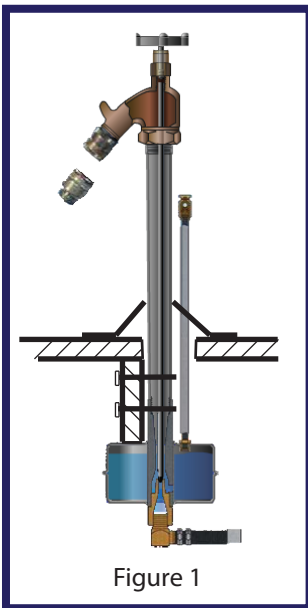


Figure 1

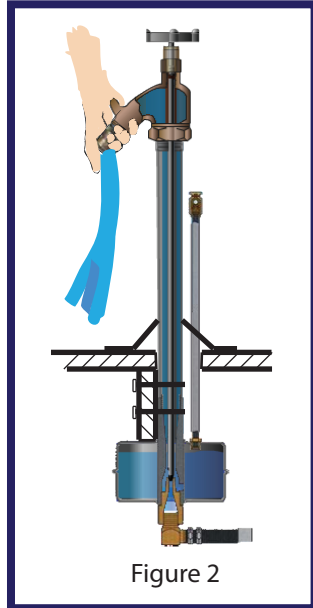


Figure 2

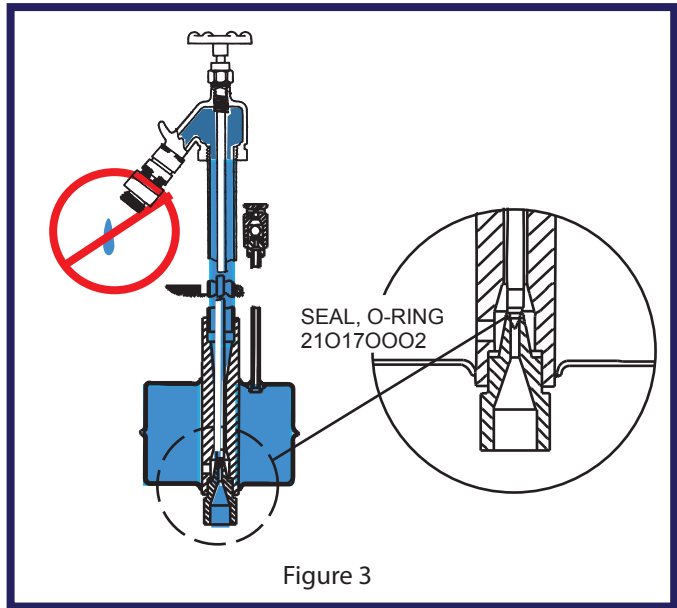


Figure 3

Sanitary Roof Hydrant Operation and Maintenance Instructions

OPERATION AND MAINTENANCE

1.) Packing Nut Leak

Hydrant is designed to use clean water at 20 psi to 100 psi. Should leakage occur at packing nut, simply tighten nut until leakage stops. If tightening nut does not stop leakage, remove nut and replace with packing. Figure 5

2.) To Change Seal, O-ring

- Unscrew packing nut from under handle.
- Unscrew handle and operating rod from hose bib.
- Lift out operating rod and change o-ring seal on tip.
- Replace operating rod and tighten packing nut.

3.) Leakage from float valve

Leakage from float valve is typically due to not flushing supply lines properly.

- To clean, unscrew Hex Cap from round base.
- Remove ball and o-ring.
- Replace ball and o-ring after cleaning.
- Reassemble Float Valve.

4.) Handle/operating rod adjustment

- No adjustment is necessary.

5.) To prevent unauthorized use, the hydrant wheel handle can be removed.

6.) NOTE: If the hydrant has not been used for a long period of time, it is advisable to flush the hydrant for 60 seconds when water is used for drinking.

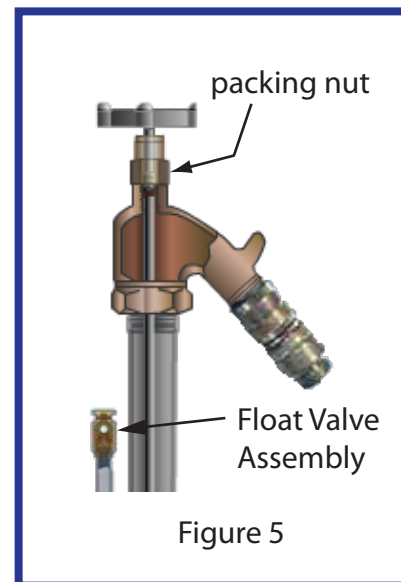
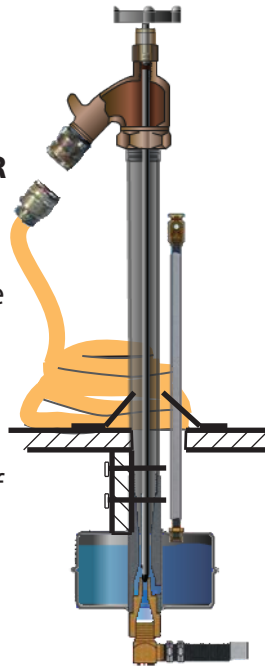


Figure 5

Sanitary Roof Hydrant Winterizing Instructions

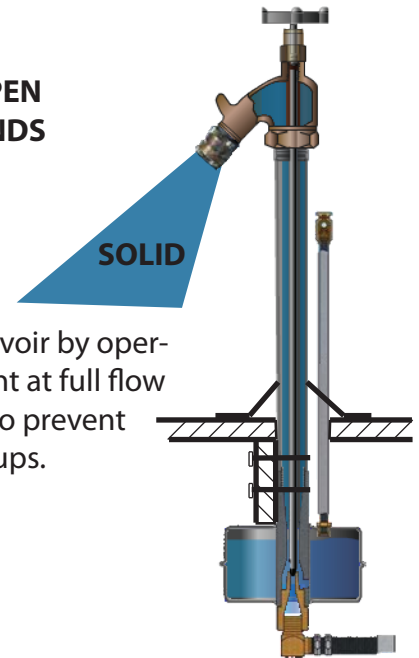
1.) NO RESTRICTIONS, REMOVE HOSE AND BACKFLOW PREVENTER IF USED

To prevent freezing during the winter months, it is essential that the hydrant reservoir be evacuated to ensure proper drainage of the standpipe. Any restriction downstream of the factory supplied hose bib will prevent the hydrant reservoir from emptying. Therefore, for winter use, remove the hose and back-flow preventer, if used, using the quick disconnect supplied.



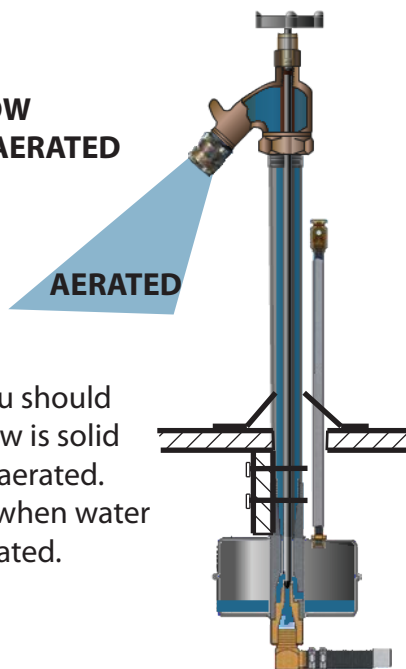
2.) FULLY OPEN 30 SECONDS

Empty the reservoir by operating the hydrant at full flow for 30 seconds to prevent hydrant freeze-ups.



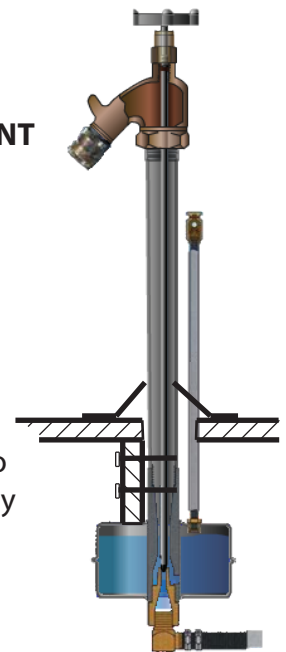
3.) WATER FLOW BECOMES AERATED

During this time you should notice the water flow is solid and then becomes aerated. Reservoir is empty when water exiting outlet is aerated.



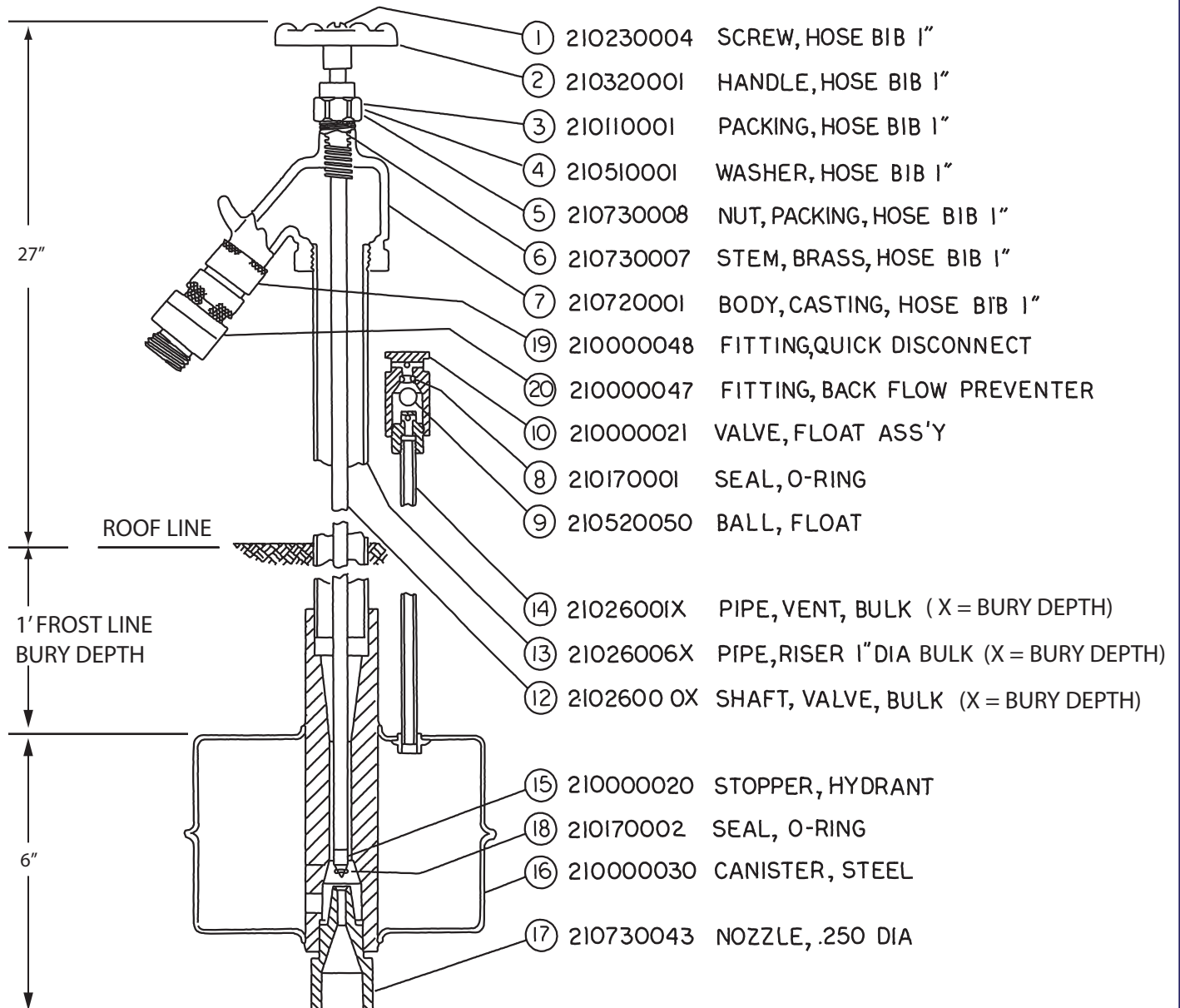
4.) FINISHED, SHUT OFF HYDRANT

Shutting off hydrant at this point will permit the water in the standpipe to drain back into the empty reservoir.



More Winterizing information is available at www.freeze-flow.com

Sanitary Roof Hydrant Parts Diagram



Patent# 4,854,339 5,033,500 other patents pending

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All returns must be authorized in advance and be issued a Return Authorization Number - please call or e-mail us before sending returns. Returns sent to us without prior authorization will be refused delivery.

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There is no warranty other than the Manufacture's Limited One Year Warranty.

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