



Post Hydrant (S67 Dry Barrel) Sample Specification

1. General.

- A. Post Hydrants shall meet or exceed AWWA C502 where applicable.
- B. Post Hydrants shall be manufactured and tested in an ISO 9001 certified facility located within the United States.
- C. Fire hydrants shall be rated for a working pressure of 250 PSI. (1725 kPa).
- D. Fire hydrants shall be of the compression type, opening against system pressure and closing with system pressure.

2. Main Valve and Drains.

- A. The main valve shall be of one-piece construction and completely encapsulated with EPDM.
- B. Fire hydrants shall have a minimum 2-1/4" main valve opening.
- C. The EPDM shall be permanently vulcanized to the main valve.
- D. The main valve shall provide complete closing of the drains after 4 to 5 turns of the operating nut in the opening direction.
- E. The Drain Ring assembly shall be replaceable without removing the hydrant from the connecting pipe or having to dig.

3. Stems

- A. Upper hydrant stems shall be made of stainless steel.

4. Operating Nut

- A. Operating nuts shall be one-piece bronze design with upper and lower anti-friction washers for ease of operation. A protective weathershield shall be installed over the operating nut.

5. Nozzles

- A. Nozzles shall be of the ¼ turn bayonet lug style, secured with a stainless steel locking screw, allowing ease of change in case of damage to the nozzle.
- B. Nozzle thread type shall be as specified by the end user.

6. Lubrication

- A. The operating mechanism shall be grease lubricated.
- B. The lubrication reservoir shall be cast as part of the bonnet, creating a watertight cavity without the use of gaskets.
- C. The reservoir shall be filled with NSF/FDA approved food grade grease or oil at the manufacturer's facility.
- D. Valve stem seals shall be an o-ring type with not less than two o-rings below the thrust.
- E. If an o-ring groove is cut into the stem the diameter of the groove shall not be less than the root diameter of the stem threads.

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2155 Meridian Blvd – Minden, NV. 89423 - Phone 775-552-1400 - Fax 775-783-7502
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- F. O-rings and gaskets shall be made of an NBR rubber to help prevent the effects of permeation.

7. Shoe

- A. End Connections shall be either Mechanical Joint, NPT, or Flanged.
- B. Mechanical joints shall comply with the requirements of AWWA C111.
- C. Flanged ends shall comply with ANSI/ASME B16.1, class 125 flanges

9. Break Flange and Couplings

- A. All post hydrants shall be provided with the Break-off feature which shall be of the traffic breakaway type and allow 360-degree rotation of the fire hydrant to position the Pumper nozzle in the desired direction.
- B. The break flange segments shall be located under the upper barrel flange to prevent the segments from falling into the lower barrel when the hydrant is struck.

10. Warranty

- A. All fire hydrants shall be covered by a Manufacturer's 1 year Limited Warranty on manufactures defects and labor costs for replacement.

11. Approved Equal

- A. Post hydrants shall be American AVK Series 67 or approved equal.

