



Fire Hydrant (Series 24 Wet Barrel) Sample Specification

1. General

- A. Fire Hydrants shall meet or exceed AWWA C503; latest revision.
- B. Hydrants shall be manufactured and tested in an ISO 9001 certified facility located within the United States.
- C. Fire hydrants shall meet all test requirements and be listed by Underwriters Laboratories Inc.
- D. Ductile Iron Fire Hydrants shall meet all test requirements and have full approval of Factory Mutual.
- E. Fire hydrants shall be rated for a working pressure of 200 Psig.
- F. To help prevent cross-threading a Higbee cut (blunt start) will be provided on the lead thread of the outlet nozzles, nozzle caps, and thrust nut

2. Hydrant Body

- A. The hydrant body shall be Ductile Iron, Stainless Steel, or Bronze as specified.

3. Valves

- A. The valves shall be encapsulated with EPDM.
- B. The EPDM shall be permanently vulcanized to the valve.

4. Stems

- A. Stems shall be low zinc bronze.

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. Storz nozzles, if used, shall be made of bronze.
- C. Nozzle thread type shall be as specified by the end user.

American AVK Company

2155 Meridian Blvd
Minden, NV 89423

Tel: (775) 552-1400
Fax: (775) 552-1031

sales@avkus.com
www.americanavk.com

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7. Protective Coatings

- A. All ferrous parts, except those parts made of stainless steel shall be fusion-bonded epoxy coated and lined. All epoxy coatings shall be comply with ANSI/AWWA C550 (latest edition).

9. Break Flange and Couplings

- A. All fire hydrants provided with the Break-off feature should 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 breakable flange ring shall lock to the outside edge of the break flange body to prevent broken 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 10 year Limited Warranty on manufactures defects and labor costs for replacement. Warranty will become effective from date of purchase by the end user.

11. Approved Equal

- A. Fire hydrants shall be American AVK Series 24 or approved equal.