



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. UL does not approve bronze bodied hydrants.
- D. Ductile Iron Fire Hydrants shall meet all test requirements and have full approval of Factory Mutual. FM is currently in the process of revising their standard requirements to include dual pumper hydrants.
- E. Stainless steel and bronze Fire hydrants shall be AWWA rated for a minimum working pressure of 200 PSI. Ductile iron fire hydrants shall be AWWA rated for 350 psi working pressure.
- 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 NBR.
- B. The NBR shall be permanently vulcanized to the valve disc.

4. Stems

- A. Stems shall be low zinc bronze.

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5. Nozzles

- A. Nozzles shall be of the treaded-in style, secured with a stainless steel locking screw for ductile iron and bronze models. Stainless steel models will have a bayonet style lug system.
- B. Nozzle/Cap threads type shall be as specified by the end user.

6. 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 comply with ANSI/AWWA C550 (latest edition).

7. Optional Break Flange and Couplings

- A. All fire hydrants provided with the optional 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.

8. 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.

9. Approved Equal

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

Notes:

*FM does not recognize the dual pumper outlet configuration.