

4-1/2" AMERICAN-DARLING® MARK-73-5 SPECIFICATIONS



Fire hydrants shall meet or exceed ANSI/AWWA C502, latest revision. Rated working pressure shall be 250 psig, test pressure shall be 500 psig and hydrants shall include the following specific design criteria:

- The main valve closure shall be of the compression type.
- Traffic feature must be designed for easy 360 rotation of nozzle section during field installation.
- The main valve opening shall not be less than 4-1/2 in. and be designed so that removal of all working parts can be accomplished without excavating.
- The hydrant valve shall be constructed of EPDM rubber and have a vertical taper of 20° or less.
- The bronze seat shall be threaded into an all bronze drain ring.
- The draining system of the hydrant shall be bronze and positively activated by the main operating rod. Hydrant drains shall close completely after no more than three turns of the operating nut. There shall be a minimum of two internal ports and four outlets to the exterior of the hydrant. Drain shutoff to be direct compression closure. Sliding drains are not permitted.

Hydrant barrels shall be made of ductile iron. Nozzles shall be retained by collars. Threaded-in nozzles and nozzles using set screws, are not allowed.

- Hydrant upper barrel shall be factory coated with Electrodeposition (E-coat) epoxy primer and catalyzed two part polyurethane top coating. Base shall be coated with fusion bonded epoxy. All bolting below grade shall be 304 stainless steel.
- Friction loss not to exceed 3.5 psig at 1000 gpm through 4-1/2 in. pumper nozzle.
- Hydrants shall be equal to the **4-1/2" American-Darling MARK-73-5** by AMERICAN Flow Control fire hydrant.