



**VALVE &
HYDRANT**

Metropolitan[®] / M-94 Fire Hydrant

Solid design and reliability for the
fire protection market.



Mueller Co.
Reliable Connections[®]

Metropolitan[®]/M-94 Fire Hydrant

Design Features

A well-established, reliable performer in the fire protection market, the Metropolitan[®]/M-94 hydrant is known for its simple design. Taking a cue from water department maintenance workers, this fire hydrant was designed with easy maintenance and repair in mind. What makes this hydrant easier to maintain than many other hydrants, is the number of parts have been kept to a minimum, making one-person service and repair possible. Plus, if repairs are necessary, fewer parts mean shorter service times and lower overall operating costs for municipalities.

1 Bonnet locking screw

Prevents rotation, keeps bonnet secure, tamper-resistant.

2 Hex socket plug

Provides access to port where lubricant can be added via customer inserted grease zerk.

3 Sealed system grease chamber

NSF approved all-temperature grease, complete lubrication every time the hydrant is opened.

4 Anti-friction bearing

Tough, reliable, and easy operation.

5 Full-flow threaded-in nozzle design

Bronze nozzles sealed with O-rings, superior water flow.

6 Valve rod coupling

Frangible gray iron with stainless steel retaining rings and pins, breaks cleanly in the event of traffic impact damage.

7 PROTECTOP[™] standpipe coupling valves

Two-piece frangible gray iron standpipe coupling with only two bolts makes hydrant easier to position and service.

8 Main valve assembly

Includes manganese bronze upper valve plate, urethane drain valve facings, bronze seat ring and rubber main valve secured by a ductile iron bottom valve plate— for reliable service and trouble-free operation.

9 Ductile iron shoe

Epoxy-coated, positively seats onto lower standpipe, sealed with rubber O-ring gasket—locks into place with stainless steel keys.



Main valve opening is available in 4 ½" or 5 ¼" sizes.
Metropolitan[®]/M-94 is available with Storz connector.

The Metropolitan®/M-94 Fire Hydrant offers a number of design advantages, including:

- Excellent flow characteristics
- 250 psig (1723 kPa) maximum working pressure
- Tamper-resistant bonnet locking screw assures bonnet security
- Ductile Iron nozzle section and bonnet construction
- Extra thick cast Ductile Iron lower barrel exceeds AWWA C502 barrel thickness requirement; better withstands impact damage
- Precision-grooved ground line coupling, ensures reliable fracture and quick repair, in the event of traffic impact; coupling can be removed easily to install an extension section, or loosened to reposition hydrant nozzles after installation
- Boltless connection between lower standpipe and shoe uses four stainless steel locking keys to secure assembly
- Bronze hold down nut is locked to bonnet and enclosed by weathershield skirt for extra security
- Stop nut provides positive restrictive movement of main valve stem when opening, so valve cannot be “over-opened”
- Anti-friction bearing made of tough, reliable acetal for easy operation
- Grease chamber filled with all-temperature grease lubricates every time hydrant is opened
- True dry-top design with double O-ring seals— bronze revolving nut provides a direct connection between operating nut and stem threads
- Bronze stem sheath provides smooth bronze-to-bronze, corrosion resistant sealing surface with reliable, positive sealing O-rings
- Threaded-in nozzles are sealed with O-rings and secured with nozzle locks
- Precision-grooved stem coupling ensures clean, two-piece breakaway, in the event of traffic impact damage; broken coupling sections remain connected to rod ends, so they will not fall to the bottom of hydrant
- All bronze upper valve plate construction with urethane drain valve facings
- Bronze main valve seat ring is threaded above the drains; seat ring threads engage a bronze threaded subseat
- Seat ring and base subseat form a non-clogging bronze channeled drain assembly; all bronze drain outlet is low for complete drainage; drain is force-flushed during opening and closing of main valve
- Compression main valve opens against pressure; tapered Ductile Iron lower valve plate guards against rubber valve distortion and is epoxy coated
- Positive sealing between bronze base subseat and seat ring O-rings
- Ductile Iron shoe Epoxy-coated – both inside and outside– for superior corrosion-resistance

With these many benefits, proven performance and ease of maintenance, it is no wonder the Metropolitan®/M-94 hydrant is a popular choice among water distribution system professionals. Plus, its “Made in USA” quality in an ISO 9001 certified plant.





**VALVE &
HYDRANT**

Our Products

Mueller Co. manufactures U.S. Pipe® Valve & Hydrant branded fire hydrants and gate valves, as well as a variety of other water distribution and fire protection products. Our valves and hydrants are manufactured in the United States at plants that are ISO 9001 certified—your assurance they operate under the highest quality standards.

All of our hydrant and valve manufacturing takes place at locations in the United States at plants set-up and operated specifically to make only these products.

Our People

Our customer service representatives are dedicated to helping you with your water distribution flow control needs. Their experience and thorough understanding of valves and hydrants means you can count on getting the assistance you are looking for when you call our toll-free number.

For more information about U.S. Pipe Valve & Hydrant water products, please visit www.uspvh.com or call customer service at 800.871.2194.

Other Innovative Products



USP-1 350psi Resilient Wedge Gate Valve

- 350 psig (2400 kPa/24 Barg) working pressure, 700 psig (4800 kPa/48 Barg) test pressure
- Dual-purpose lifting lugs provide stability for the valve box
- Unique pressure-assist wedge geometry
- T-head bolt retention eliminates need for anti-rotation bolts
- Certified to ANSI/NSF 61 & 372, UL Listed, FM Approved, and exceeds applicable requirements of ANSI/AWWA C515 Standard
- 10-year limited warranty



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