

Sentinel 250™ Fire Hydrant Features & Benefits

The Sentinel 250 Hydrant is designed around the needs of the people who maintain and repair it. The number of parts has been kept to a minimum and the hydrant designed to be easily repairable by one person.

- ❑ Made to comply with the requirements of ANSI/AWWA C502, UL 246, FM 1510 and made in a U.S. ISO 9001 certified factory.
- ❑ A Ductile Iron bonnet is securely fastened to the upper barrel with inter-locking “breech lock” lugs for tamper resistance. It is easily removed for access to the main valve.
- ❑ The bonnet locking screw is tamper resistant, assuring security of the bonnet by preventing its rotation.
- ❑ The Ductile Iron operating nut with a weather shield weatherproofs the hydrant. Ductile Iron provides durability and wear resistance. A tamper resistant alloy steel locking pin fastens the operating nut to the stem nut.
- ❑ The bronze hold down nut is totally enclosed by the skirt of the weathershield and is locked in the bonnet for extra security. It is O-ring sealed for added protection.
- ❑ A stop nut provides a positive halt to movement of the valve stem in the opening. The rod cannot be placed in compression if the hydrant is “over-opened.”
- ❑ An anti-friction bearing ensures easy operation by reducing friction. It is made of tough, reliable Delrin®* plastic for permanence and strength.
- ❑ A lubrication grease chamber is filled with all-temperature grease ensuring positive lubrication each time the hydrant is opened.
- ❑ The bronze revolving nut is the direct connection between the operating nut and the stem threads. True dry-top design is double O-ring sealed.
- ❑ A bronze stem sheath provides a smooth bronze-to-bronze noncorrodible sealing surface for reliable, positive sealing by O-rings.
- ❑ The Ductile Iron upper barrel resists traffic impact damage.
- ❑ The hydrant has streamlined curves. Both the nozzle section and the nozzles have sweeping curves to provide maximum flow and minimum head loss.
- ❑ The threaded-in nozzles are O-ring sealed and mechanically secured with stainless steel nozzle locks.
- ❑ PROTECTOP™ ground line coupling ensuring reliable fracture and quick repair after traffic impact. The coupling can be easily removed to install an extension section or loosened to rotate the hydrant to any position after installation.
- ❑ The stainless steel stem coupling is designed to tear instead of break with traffic impact, leaving no loose pieces that could drop into the main valve area.
- ❑ The upper valve plate is all bronze construction with specially formulated plastic drain valve facings.
- ❑ The hydrant has an all bronze drain outlet. To ensure a nonclogging drainway which leads to double drains in the sides of the shoe. Drains are forced flushed during opening and closing of the main valve.
- ❑ The compression main valve opens against pressure and is reversible providing a convenient spare in place.
- ❑ The Ductile Iron shoe is epoxy coated on both the interior and exterior surfaces for maximum corrosion protection.



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