



Hydrant Security Solutions

Enhanced safety and security from the industry innovator

Mueller Co.

Mueller® Hydrant Security Solutions

Guard public water against accident or attack

The events of recent years have heightened our nation's awareness of threats to the public water supply. For more effective fire hydrant security, Mueller offers several products to protect against accidental or deliberate contamination of public water.

Mueller makes both fire hydrants and the security devices that protect them. This is your assurance that the security devices are 100% compatible with hydrant operation and maintenance. Plus, Mueller stands behind every hydrant and security device with a strong warranty. When hydrants need protection, trust the hydrant company that has been the industry leader for over 150 years – Mueller Co.

Device Types

- “Active” devices typically require removal before the hydrant can be used and require a special tool to use the hydrant.
- “Passive” devices typically prevent contamination by way of fire hydrant tampering or by accident. They provide 24/7 protection and allow normal hydrant operation without any special tools, with virtually no effect on firefighters' emergency use or normal hydrant maintenance.

Level of Protection

All hydrant security devices fall into one of three categories:

- Deters theft of water or hydrant parts
- Deter contamination of the water system
- Deters operation of hydrant

Mueller Security Solutions	Device Type		Levels of Protection		
	Active	Passive	Deters Theft	Deters Contamination	Deters Operation
250/HS		•		•	
Hydrant-Defender®	•		•	•	•
Tamper-Proof Operating Nut	•		•		•
Tamper-Resistant Hold-down Nut	•		•		•

Mueller Super Centurion® 250/HS “High Security” Fire Hydrant

1 Secure and reliable check valve

The steel and fabric reinforced elastomeric flapper is reliable and maintenance-free. Tested to last over 1 million cycles, the check valve is positioned ahead of the hydrant main valve so as not to interfere with normal hydrant maintenance or repair, not impede access to water in an emergency, or cause water hammer.

2 Custom designed shoe

With a special shoe that incorporates a check valve, the Mueller Super Centurion 250/HS Fire Hydrant resists both accidental and deliberate contamination of the water supply.

3 Super Centurion hydrant

With superior flow characteristics, easy operation, and high pressure ratings, the Super Centurion hydrant provides outstanding performance and reliability.

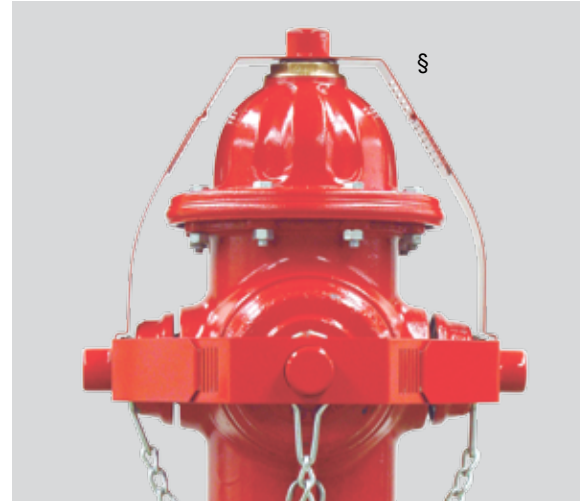


Mueller Hydrant-Defender® Security Device

The most affordable hydrant security system available today, the Mueller Hydrant-Defender Security Device provides protection to hydrants at two levels. The heavy stainless steel straps prevent unauthorized access to the nozzles and operating nut. Evidence of tampering will be visible.

In the event of an emergency, fire personnel can open the lock and remove the Hydrant-Defender straps in seconds. When the device is securely locked, the hydrant nozzles and operating nut can only be accessed by completely cutting through the heavy straps or barrel lock. Damage to the straps or lock will be visible, even from a distance, and the water authority can investigate the problem. The recommended stainless steel barrel lock features keys that are uniquely coded for the purchaser and strictly controlled by the lock manufacturer.

The Hydrant-Defender device can be factory installed on the Mueller Super Centurion® Hydrant or ordered separately. Its straps are adjustable to accommodate differences in hydrant dimensions, and models are available to fit virtually any make of 3-way hydrant.



Tamper-Proof Operating Nut

This simple, yet effective option protects against unauthorized operation, theft of parts and vandal-inflicted damage to the operating and hold-down nuts.

A cast-iron cap that spins freely on top of the hydrant bonnet shields the operating mechanism and protects it from would-be vandals. Common tools cannot grip the cap, the operating nut or the specially shaped hold-down nut.

The tamper-proof feature can be ordered factory-installed on new Centurion® hydrants, or as a kit to retrofit Centurion and Mueller® Improved hydrants in the field.



Tamper-Resistant Hydrant Hold-down Nut

This specially designed nut replaces the existing hold-down nut and surrounds the operating nut, helping prevent unauthorized operation of Mueller Centurion® and Improved fire hydrants. The custom operating wrench for use with this option may also be used with other hydrants.

The O-ring-sealed hold-down nut may be ordered "open left" or "open right," and as original equipment or as a retrofit.



Fire Hydrant Security Specification

(sample addition to regular hydrant specification for passive security option)

1. In order to ensure proper compatibility and limit warranty issues to a single party, all security devices must be designed, manufactured and installed by the hydrant manufacturer.
2. The device must be internal to the fire hydrant and must not hinder or alter current established maintenance procedures. No external locks or special wrenches that would hinder the firefighters' access to water are allowed.
3. The device must prevent a contaminant from entering the distribution system through the fire hydrant by either preventing the introduction of a contaminant into the hydrant or preventing a contaminant to escape through the hydrant into the distribution system in a backflow or back-siphonage condition.
4. The device must not increase the overall fire hydrant pressure drop through the pumper nozzle at 1000 gpm by more than 1psig (for a 4-1/2" or larger nozzle).
5. The secure fire hydrant shall be the Mueller® Super Centurion 250/HS (high security).



Our Products

Mueller has built its reputation on producing innovative water distribution products of superior quality – a reputation that is literally “on the line” every day throughout the world. Mueller products and those of its affiliates are used throughout the water system from the source to the consumer. We are committed to continuing research and development of new products and services to meet the growing needs of the water infrastructure industry. Mueller is the largest and only full-line supplier of potable water distribution products in North America and its markets continue to expand globally.

Our People

The capacity to deliver the widest array of products and stand behind those products to ensure your satisfaction is our strength. The success of Mueller is dependent upon the success of those who are involved, both inside and outside our company. Therefore, we feel our future is wholly dependent on long-term relationships with our employees, customers and suppliers. This is why we strive to be proactive and responsive to their needs, always looking for a “better way”. It’s an approach that has set us apart since 1857 and will assure our mutual achievement and prosperity in the future.

For more information about Mueller or to view Mueller’s full line of water products, please visit www.muellercompany.com or call Mueller Customer Service at 1.800.423.1323.

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Other Innovative Mueller Products



Mueller® A-2361 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, UL Listed, FM Approved, and exceeds applicable requirements of ANSI/AWWA C515 Standard
- 10-year limited warranty



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