

# SECURITY



# LISTED

RELIABILITY & SAFETY IS OUR #1 PRIORITY  
SHOULDN'T IT BE YOURS?



# SIGELOCK

SYSTEMS, LLC

# SPARTAN

## WORLD'S

FIRST AND ONLY

## SECURE

## FIRE HYDRANT



# WORLD'S FIRST AND ONLY

100 % MADE IN USA



NEW CERTIFICATION SPEC  246B

SEAL OF APPROVAL  
**SPARTAN** CONVENTIONAL

## Attack Test

Hydrants must withstand an attack by UL's safe cracking pro's, who have 15 minutes to attempt to remove the hydrant caps, make a 1" hole size opening and begin to operate the hydrant using hand tools and power drills



## Endurance

Hydrant tamper resistant features are operated as intended for 1,000 cycles



## Dust

Hydrants are exposed in a chamber to 2 ounces of cement dust, circulated by compressed air and maintained at 20 - 50% relative humidity



## Salt Spray (Fog)

Hydrants are exposed for 30 days, in a fog chamber constructed in accordance with the Standard for Method of Salt Spray (Fog) Testing, ASTM B117-73 (1990), to a 5% by weight salt solution



## Moist Hydrogen Sulfide – Air Mixture

Hydrants are exposed for 30 days in a 1% hydrogen sulfide (H<sub>2</sub>S) by volume gas chamber where the gaseous mixture is reintroduced daily



## Moist Carbon Dioxide & Sulfur Dioxide – Air Mixture

Hydrants are exposed for 30 days in a 1% carbon dioxide (CO<sub>2</sub>) and 1% sulfur dioxide (SO<sub>2</sub>) by volume gas chamber where the gaseous mixture is reintroduced daily



## Variable Ambient Temperature

Hydrants are exposed for 4 hours to ambient temperatures ranging from -31°F to +151°F



## Ultraviolet Light and Water Exposure

Hydrants are exposed for 1,000 hours to ultraviolet light (carbon arc) and water spray at an ambient temperature of 145°F



## Humidity

Hydrants are exposed for 24 hours to air having relative humidity of 85% at an ambient temperature of 86°F



## External Icing

Hydrants are exposed for 3 hours to a freezing water spray until ¾" of ice has formed at an ambient temperature of 20°F



# STANDARD CERTIFICATION SPEC 246

## Operation

Hydrants are tested for basic operation of cap removal and valve opening / closing as intended for use



## Leakage

Hydrants are pressure tested at twice the rated pressure with leakage only acceptable up to 5 fluid ounces per minute at the drain valves



## Strength of Body

Hydrants are pressure tested at four times the rated pressure to ensure maintained structural integrity, leakage permitted



## Loss of Head

Hydrants are flow tested at the pumper and hose outlets with pressure loss not to exceed 5 psig @1,000 gpm for the pumper nozzle (4 ½") and 2 psig @ 250 gpm for the hose outlet(s) (2 ½")



## Operating Torque

Hydrants are required to maintain a 200 ft-lb torque without failure applied to the operating nut when fully open and fully closed



## Nonmetallic Materials Aging

Hydrant nonmetallic parts are subjected to 180 day air-oven aging and water aging tests

