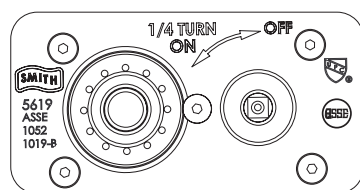


DIMENSION AND MATERIAL OVERVIEW

Figure Number 5619



FRONT VIEW

Wall Hydrant Specification (Less Box):
 Furnish and install a Jay R. Smith Mfg. Co. Figure Number 5619 Guardian Dual Check, Quarter-Turn, stainless steel face, non-freeze wall hydrant complete with 3/4" (inch) hose connection, integral vacuum breaker and dual check valve. The hydrant shall provide positive protection of the potable water system from contamination due to back siphonage or back-pressure in conformance with ASSE Standard 1019-B, 1052, and 1053 certification.

Hydrant shall provide full flow and full shut-off with 1/4 turn of the "T" handle key. Positive shut-off shall be provided by the use of ceramic discs conforming to the criteria of ASTM D2442. All solder joints and brazing rings shall contain "No-Lead" and lubricants shall be U.S.D.A. approved. A loose set "T" handle key shall be provided.

The hydrant shall be certified to meet and/or exceed ASSE Standards 1019-B, 1052, and 1053 and conform to the criteria of ANSI A112.21.3M.

The Guardian Dual Check[®] Hydrant - Figure Numbers 5519 and 5619

Regularly furnished with bronze quarter-turn, self draining non-freeze hydrant with stainless steel face hose connection, dual check valve, integral vacuum breaker, and "T" handle key. Stainless steel box with full 180° cover opening available with Figure Number 5519.

A 1/4-turn of the "T" handle or "wheel" handle allows full flow to be obtained.

OPTIONAL MATERIALS-5519:

- Polished Bronze Box Face - PB
- Nickel Bronze Box Face - NB
- Rough Bronze Box Face - RB
- Chrome Plated Box Face - CP

FUNCTION-5519:

Guardian Dual Check box type hydrant with concealed hose connection provides non-freeze protection where water is required at the outside of the building.

OPTIONAL MATERIALS-5619:

- Polished Bronze Face - PB
- Chrome Plated Face - CP

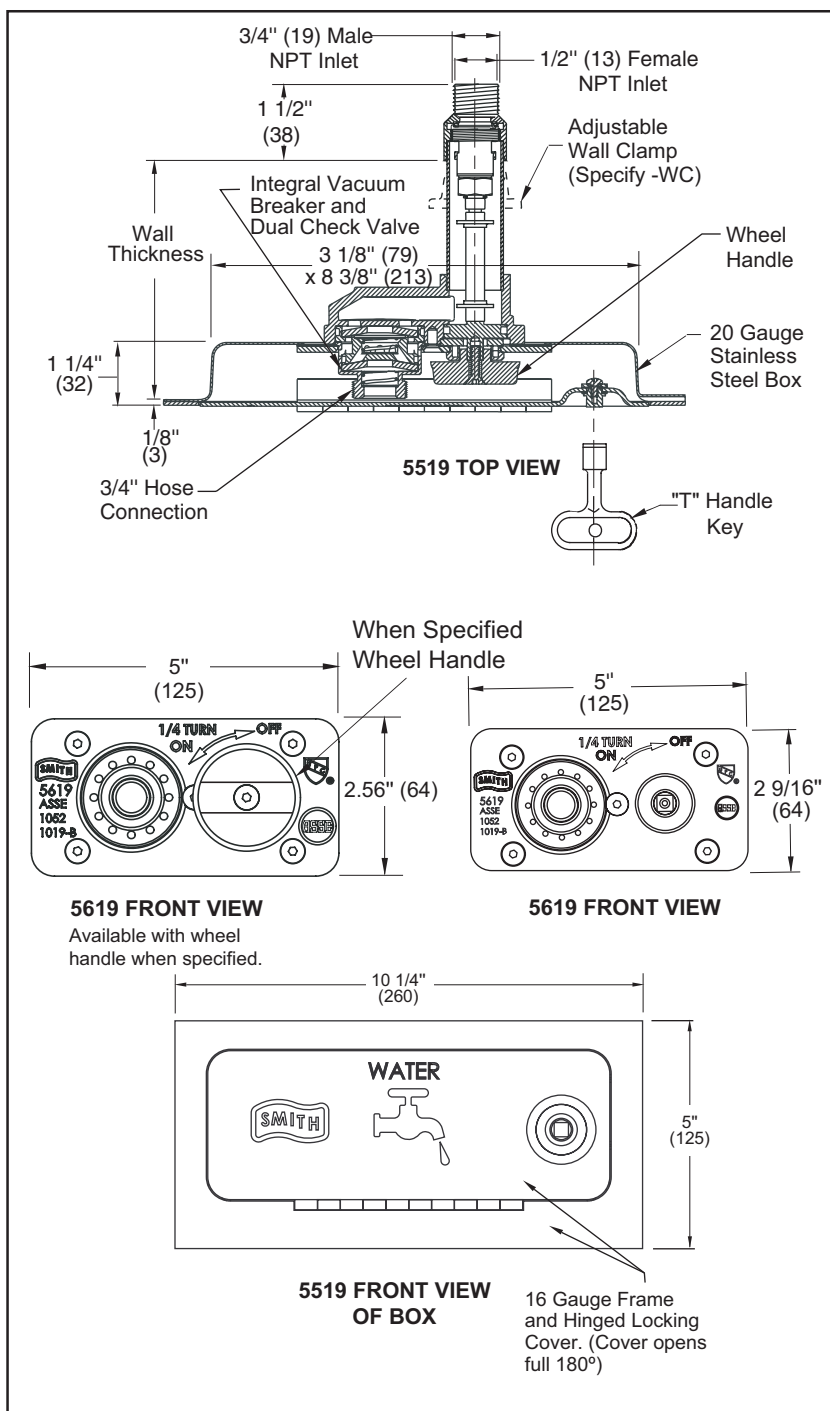
FUNCTION-5619:

Guardian Dual Check exposed hose connection hydrant for installation in interior or exterior building walls where an exposed hose connection is acceptable.

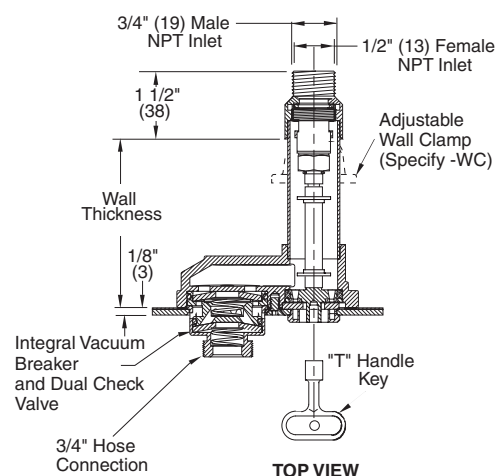
APPROVALS:

Meets ANSI A112.21.3M Specifications
 Complies with ASSE 1052, 1053, and 1019-B.
 IAPMO Listed- File #2749

Contact your local representative:



Dimensions shown in parenthesis are in millimeters.



SPM1155
 3/08

To learn more about our complete line of hydrants and other products, visit www.jrsmith.com

THE GUARDIAN DUAL CHECK[®] HYDRANT

The ASSE 1019-B, 1052, and 1053 Approved Hydrant



THE GUARDIAN DUAL CHECK® HYDRANT

FIGURE NUMBERS 5519 AND 5619

The Guardian Dual Check® Hydrant - Has a dual check valve assembled in tandem to prevent back siphonage and back-pressure; carries ASSE 1019-B,1052, and 1053 approvals and is available with (5519) and without (5619) a box.

Jay R. Smith Mfg. Co.®
 “GUARDIAN DUAL CHECK®”
 Wall Hydrant Recommended
 Specification

Innovative Products

Jay R. Smith Mfg. Co.® continues to provide you with the best products that are unmatched in the industry. Some of the innovative products of recent years include the Remediator® Grease Treatment System; Flood-Gate® Automatic Backwater Valve; Enviro-Flo® Drainage Systems; Custom Images, Custom Designed Grates and Covers; Prime-Eze® Trap Primer; Rante-Arrow® Trench Drain Installation Tool; and, most recently, the Labor Saver® Fixture Support.

In keeping with this commitment to innovative products, Jay R. Smith Mfg. Co. has expanded our hydrant line with the first **ASSE 1019-B,1052, and 1053 approved Hydrant - the Guardian Dual Check.**

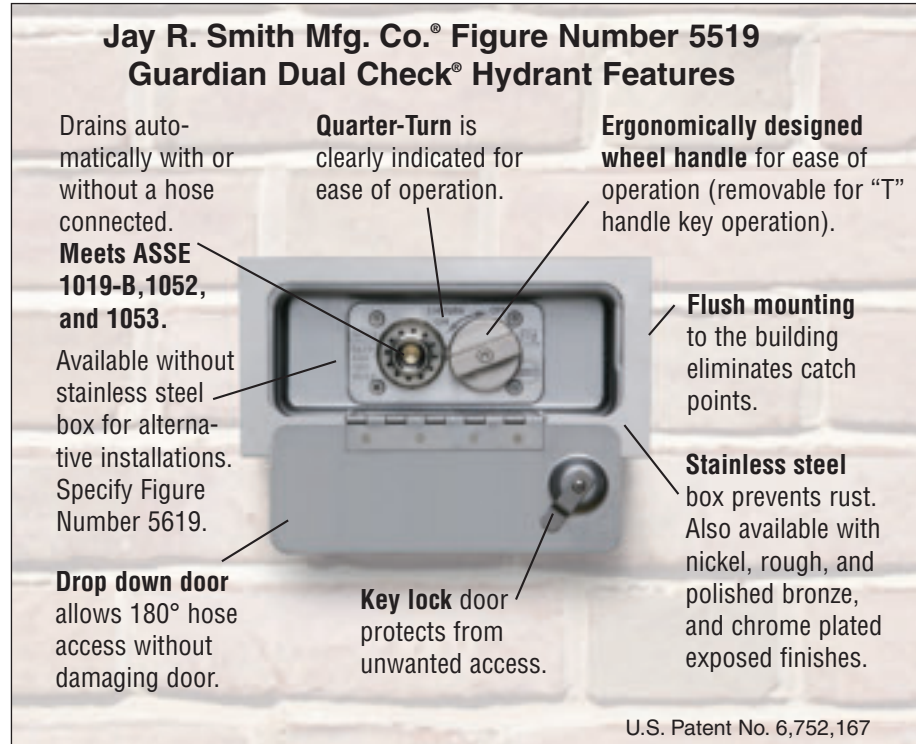
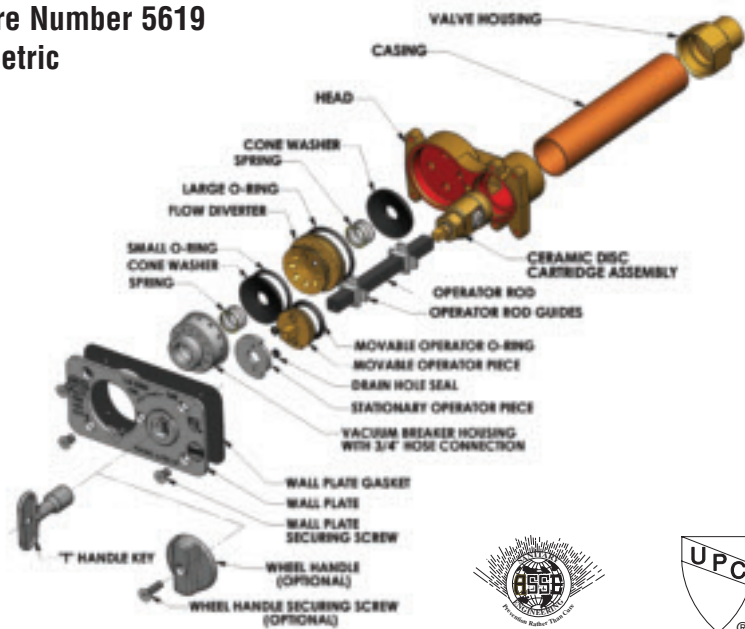


Figure Number 5619 Isometric



ASSE Approval

Jay R. Smith Mfg. Co.'s new 5519 and 5619 series hydrants are ASSE 1019-B,1052, and 1053 approved. This approval indicates that the hydrants are equipped with an integral vacuum breaker and a dual check valve. The significance of the outlet check valve is that it is three valves in one not including

the inlet check valve. This includes the forward check valve, the hose pressure relief valve and the vacuum breaker valve. As the hydrant is opened, both inlet and outlet check valves open to allow normal flow and all vent ports are closed to prevent leakage out of the valve. When a negative pressure condition occurs, the modes of the two

valves reverse. Both check valves close and all vent ports open resulting in a virtual air space between the check valves. This allows only air to enter the hydrant. Even if one or both check valves fail or become fouled, there would be no back-flow, since only air, not the down-stream water would be drawn into the valve.

In normal operations when the hydrant is closed, the inlet and outlet check valves close and all the vent ports open. This allows pressure in a hose, with or without a nozzle attached, to be released through the ports, the vacuum breaker ports will open and allow air in, draining the hose.

The Guardian Dual Check hydrant consists of two integral yet independently operating check valves assembled in tandem. The dual check valve is effective in preventing both back siphoning and back-pressure.

The Guardian Dual Check hydrant can be provided with a field test kit for periodic testing of the outlet check valve.

The Advantages of the 5519 and 5619 Series Hydrants



Figure No. 5519
Stainless Steel Flush Mount Box

1. Figure Number 5519 Quarter-Turn Hydrant: A box type hydrant that provides positive non-freeze protection where water is required at the outside of the building and features an integral vacuum breaker and dual check valve.



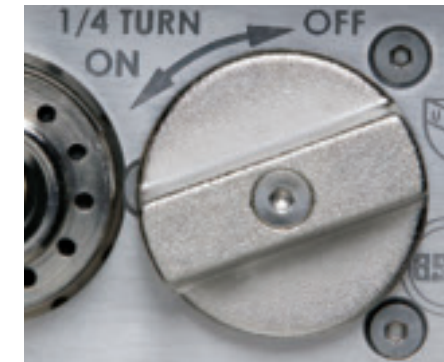
Figure No. 5619
Stainless Steel Unit Without Box

2. Figure Number 5619 Quarter-Turn Hydrant: An exposed hose connection hydrant designed for installation in interior or exterior building walls where an exposed connection is acceptable. Provides non-freeze protection. Adaptable to all types of wall construction.

3. ASSE 1019-B,1052, and 1053 Approved: The focus is backflow protection. Our hydrant includes a dual check valve to prevent contamination and provides positive non-freeze protection

with an integral vacuum breaker. The stainless steel face plate and body are clearly marked with model number and certification tags.

4. Ease of Installation: The Guardian Dual Check hydrant, with or without the box, is designed to fit one standard brick course for easy installation.



5. Quarter-Turn Feature: A quarter turn of the ergonomically designed wheel handle allows for a full flow of water.



6. Drop Down Door: Figure number 5519 with the stainless steel flush mount box has a drop down door which allows for 180° hose access without damaging the door. This feature enhances safety in high traffic areas.



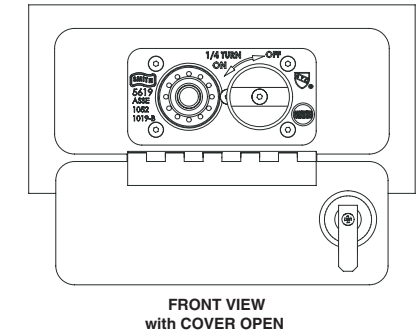
7. Innovative Design for Modern Architectural Installations: The unique horizontal design of the Guardian Dual Check hydrant box makes for an aesthetic installation on office buildings, schools, restaurants, churches, commercial buildings, shopping malls, and hotels.

8. Field Testable: The 5519 and 5619 hydrants are field testable to ensure the safeguards are working. It drains automatically when shut off, even if a hose is connected.

9. Standard Features:

- ASSE 1019-B,1052, and 1053 Approved
- Listed by IAPMO and Meets ASME Specifications
- Bronze Quarter-Turn, Self Draining Non-Freeze Hydrant with 3/4" Hose Connection
- Figure Number 5619 Fits One Standard Brick Course
- Stainless Steel Box, or Optional Nickel, Rough, and Polished Bronze, and Chrome Plated Exposed Finishes, Figure Number 5519, Fits One Standard Brick Course
- Box Opens a Full 180° for Flush to the Wall Hydrant Access
- Integral Dual Check Valve
- “T” Handle Key or Optional Ergonomic Wheel Handle with 5619
- Quarter Turn Allows for Full Flow, Engraved with “ON and OFF” Markings

Figure Number 5519



Wall Hydrant Specification (With Box): Furnish and install a Jay R. Smith Mfg. Co. Figure Number 5519 Guardian Dual Check, Quarter-Turn, non-freeze wall hydrant complete with 3/4" (inch) hose connection, integral vacuum breaker, dual check valve and stainless steel fully recessed box with a bottom hinged, drop down cover enabling unimpeded, full 180°, hose maneuvering capability. The hydrant shall provide positive protection of the potable water system from contamination due to back siphonage or back-pressure in conformance with ASSE Standard 1019-B,1052, and 1053 certification.

Hydrant shall provide full flow and full shut-off with 1/4 turn of the wheel handle. Positive shut-off shall be provided by the use of ceramic discs conforming to the criteria of ASTM D2442. All solder joints and brazing rings shall contain “No-Lead” and all lubricants shall be U.S.D.A. approved.

The stainless steel fully recessed box shall fit into one standard modular brick course and shall be constructed from 304 stainless steel for corrosion resistance. The cover shall include a locking device, a loose set “T” handle key and shall open to the bottom with a full 180° swing. The word “Water” shall be displayed on the cover.

The hydrant shall be certified to meet and/or exceed ASSE Standards 1019-B,1052, and 1053 and conform to the criteria of ANSI A112.21.3M.