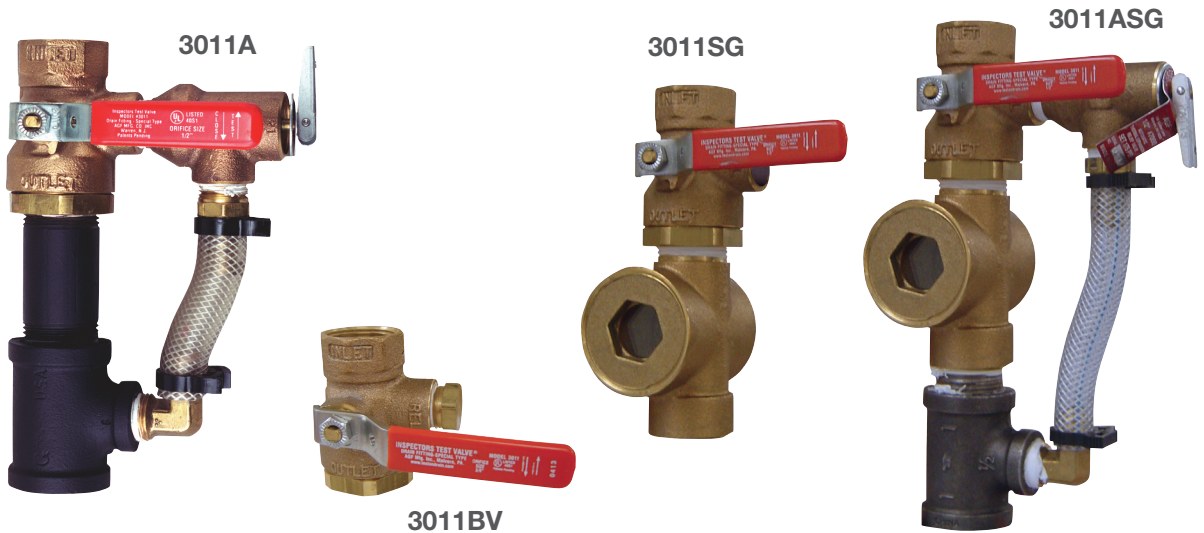




# Model 3011 INSPECTOR'S TEST®

## Remote Inspector's Test

For Single Story and Other Applications Including Systems Requiring Pressure Relief Valve



Size:

1"

The AGF **Model 3011 INSPECTOR'S TEST®** family of valves are designed to perform the remote inspector's test function on single story systems and other applications with the benefit of locating the orifice indoors. The Inspector's TEST is available in four different models (M3011BV, M3011SG, M3011A, and M3011ASG) with optional orifice sizes (3/8" 2.8K, 7/16" 4.2K, 1/2" 5.6K, 17/32" 8.0K, and 5/8" 11.2K ELO).

The **Model 3011A** and **3011ASG** feature a **Model 7000 Pressure Relief Valve** rated at 175 PSI with drainage piping designed to relieve excess system pressure caused by surges or temperature changes. Both models solve the difficult problem of providing the relief valve with a drainage piping outlet while complying with NFPA 13 requiring installation of a pressure relief valve on all grided systems and downstream of all pressure reducing valves.

To expedite system testing every Inspector's TEST model is shipped semi-assembled with relief valve and bypass drain ports plugged.

- Complies with NFPA 13
- Compact, Single-Handle Ball Valve
- Tamper-Resistant Test Orifice
- Tamper-Resistant Sight Glass
- 300 PSI rated ball valve.
- 175 PSI rated pressure relief valve
- Specifiable orifice sizes

NOTE: It is important to note that the pressure rating of the relief valve indicates an operating range of pressure for both opening and closing of the valve. Standard relief valves are required to OPEN in a range of pressure between 90% and 105% of their rating. The valves are required to CLOSE at a pressure above 80% of that rating. The relief valve should be installed where it is easily accessible for maintenance. Care should be taken that the relief valve CANNOT be isolated from the system when the system is operational. A relief valve should NEVER have a shutoff valve or a plug downstream of its outlet.

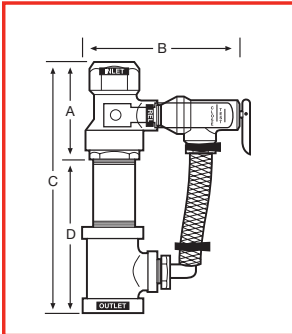
**Reliability, Versatility, Code Compatibility**



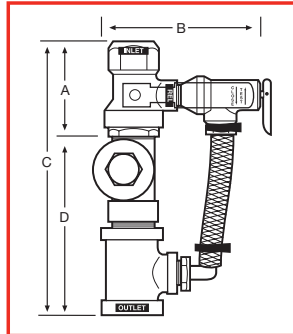
# Model 3011 INSPECTOR'S TEST®

## 300 PSI Bronze Ball Valve

**Model 3011A**



**Model 3011ASG**



### Orifice Sizes

3/8", 7/16", 1/2", 17/32", and 5/8" ELO

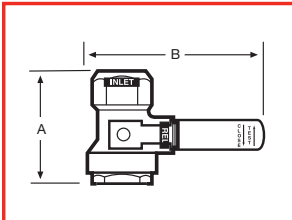
### Materials

Handle ..... Steel  
 Stem ..... Rod Brass  
 Ball ..... C.P. Brass  
 Body ..... Bronze  
 Valve Seat ..... Virgin Teflon®  
 Relief Valve ..... Bronze  
 Bypass Fittings... Brass  
 Bypass Tubing... Nylobraid  
 Sight Glass ..... Bronze & Glass

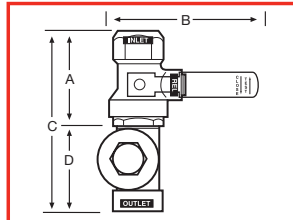
### Approvals

UL and ULC Listed:  
 [EX4019(N) & EX4533(N)]  
 FM Approved  
 NYC-BSA No. 720-87-SM

**Model 3011BV**



**Model 3011SG**



### Dimensions

SIZE	A	B	C	D
3011A	3 1/16" (75 mm)	4 1/16" (118 mm)	7 7/8" (200 mm)	4 7/8" (124 mm)
3011BV	3 1/16" (75 mm)	4 1/16" (118 mm)	—	—
3011ASG	3 1/16" (75 mm)	4 1/16" (118 mm)	9 5/16" (237 mm)	6 1/4" (159 mm)
3011SG	3 1/16" (75 mm)	4 1/16" (118 mm)	6 3/16" (157 mm)	3 1/8" (79 mm)

### From the 2013 Edition of NFPA 13

Models 3011A, 3011BV, 3011ASG, and 3011SG, depending on the variant chosen, provide some or all requirements listed below:

- Chapter 8.16.2.4.1\* Provisions shall be made to properly drain all parts of the system.
- Chapter 8.16.2.4.2 Drain connections, interior sectional or floor control valve(s) – & 8.16.2.4.3 shall be provided with a drain connection having a minimum size as shown in Table 8.16.2.4.2.
- Chapter 8.16.2.4.4 Drains shall discharge outside or to a drain capable of handling the flow of the drain.
- Chapter 8.16.2.4.6 The test connection shall be permitted to be used as main drain connection.
- Chapter A.8.17.4.2 (Wet Pipe System) test connection is permitted to terminate into a drain capable of accepting full flow... using an approved sight test connection containing a smooth bore corrosion-resistant orifice giving a flow equivalent to one sprinkler...
- Chapter 8.17.4.2.2 The test connection valve shall be accessible.
- Chapter 8.17.4.2.4 shall be permitted to be installed in any location... downstream of the waterflow alarm.
- Chapter 7.1.2 - a gridded wet pipe system shall be provided with a relief valve set to operate at 175 PSI or 10 PSI in excess of the maximum system pressure, whichever is greater.
- Chapter 8.16.1.2.3\* A relief valve of not less than 1/2" in size shall be provided on the discharge side of the pressure-reducing valve set to operate at a pressure not exceeding 175 psi.
- Chapter A8.16.1.2.3 - consideration should be given to piping the discharge from the (pressure relief) valve
- Chapter 8.17.4.3.1 (Dry Pipe System) a trip test connection not less than 1" in diameter, terminating in a smooth bore corrosion-resistant orifice, to provide a flow equivalent to one sprinkler...
- Chapter 8.17.4.3.2 The trip test connection... with a shutoff valve and plug not less than 1", at least one of which shall be brass.



### USA Patent # 4971109 and Other Patents Pending



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Job Name: \_\_\_\_\_  
 Architect: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Contractor: \_\_\_\_\_