The AGF Model 1011A TESTanDRAIN® provides the test and express drain functions for wet fire sprinkler systems on multi-story installations requiring pressure relief (NFPA 13 and NFPA 13R). The Model 1011A features a Model 7000 Pressure Relief Valve with drain pipe.

The Model 1011A is available in a full range of sizes (¾" to 2") with NPT connections (BSPT available). The Model 7000 Pressure Relief Valve (UL/FM) features a flushing handle and a 175 PSI factory rating (other pressure ratings available).

- Complies with NFPA 13 and NFPA 13R Requirements
- Compact, Single-Handle Ball Valve
- Tamper-Resistant Test Orifice and Sight Glasses
- 300 PSI rated.
- Specifiable orifice sizes: ¾" (2.8K), ½" (4.2K), ½" (5.6K), ⅜" (8.0K), ¼" (11.2K, ELO), ⅛" (14.0K, ESFR), and K25
- Relieves Excess System Pressure caused by Surges or Temperature Changes
- Shipped with Relief Valve and Bypass Drain Ports Plugged to Expedite Pressure Testing
- Locking Kit Available

Repair kits are available for all TESTanDRAIN® valves. Kit includes: Adapter Gasket (1), Ball (1), Valve Seats (2), Stem Packing (1), and Stem Washer (1). Valve and orifice size must be specified when ordering.

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.
The Model 1011A provides the following...
From the 2013 Edition of NFPA 13
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 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 waterfall alarm.
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.
Chapter 7.1.2 - a wet pipe system shall be provided with a listed 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 listed relief valve of not less than ½" in size shall be provided on the discharge side of the pressure-reducing valve set to operate at a pressure not exceeding rated pressure of the system.
Chapter A.8.16.1.2.3 - consideration should be given to piping the discharge from the (pressure relief) valve

### Dimensions

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
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<td>7⁷⁄₁₆&quot;</td>
<td>1 ⁵⁄₈&quot;</td>
<td>2 ³⁄₁₆&quot;</td>
<td>3 ⁷⁄₈&quot;</td>
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<td>4 ⁷⁄₁₆&quot;</td>
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<td>(57 mm)</td>
<td>(93 mm)</td>
<td>(93 mm)</td>
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<td>7 ³⁄₈&quot;</td>
<td>1 ⁵⁄₈&quot;</td>
<td>2 ³⁄₁₆&quot;</td>
<td>3 ⁷⁄₈&quot;</td>
<td>3 ⁷⁄₈&quot;</td>
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<td>(46 mm)</td>
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<td>1 ⁵⁄₈&quot;</td>
<td>2 ³⁄₆&quot;</td>
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<td>3 ⁷⁄₈&quot;</td>
<td>1 ³⁄₁₆&quot;</td>
<td>5 ⁷⁄₁₆&quot;</td>
<td>7 ½&quot;</td>
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<td>3 ⁷⁄₈&quot;</td>
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<td>8 ¼&quot;</td>
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### Orifice Sizes

### Materials
- Handle ............... Steel
- Stem ................. Rod Brass
- Ball .................... C.P. Brass
- Body .................. Bronze
- Valve Seat ............ Impregnated Teflon®
- Indicator Plate ....... Steel
- Relief Valve .......... Bronze
- Bypass Fittings ... Brass
- Bypass Tubing ....... Nylobraid

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

USA Patent # 4741361 and Other Patents Pending

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Job Name: ____________________________
Architect: ____________________________
Engineer: ____________________________
Contractor: ____________________________