The AGF Model 2500 TESTandDRAIN® provides both the test and express drain functions for wet fire sprinkler systems (NFPA 13). The Model 2500 is a multi-direction, compact, single handle ball valve which includes a tamper resistant test orifice and integral tamper resistant sight glasses. It features an alternate handle location for difficult installation positions.

The Model 2500 is available in a range of sizes (1" to 2") with NPT connections on the 1" and 1¼" models and groove x groove connections on the 2" models.

- Complies with NFPA 13, NFPA 13R, and NFPA 13D Requirements
- Compact, Single-Handle Ball Valve
- Tamper-Resistant Test Orifice and Sight Glasses
- 2" Model Features Groove x Groove Connections
- 300 PSI Rated
- Tap and Plug Port for System Access
- Orifice Size is Noted on the Indicator Plate
- Specifiable orifice sizes: ¾" (2.8K), ½" (4.2K), ¼" (5.6K), 17/₆₄" (8.0K), ⅛" (11.2K, ELO), ¾" (14.0K, ESFR), and K25
- Features Alternate Handle Locations for Difficult Installation Positions
- Locking Kit Available

Repair kits are available for all TESTandDRAIN® 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.
Model 2500 - Plan View

Model 2500 - Side View

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>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>6\frac{1}{4}&quot; (159 mm)</td>
<td>1\frac{1}{4}&quot; (32 mm)</td>
<td>1\frac{1}{4}&quot; (32 mm)</td>
<td>2\frac{1}{2}&quot; (64 mm)</td>
<td>3\frac{3}{8}&quot; (86 mm)</td>
<td>1\frac{13}{16}&quot; (46 mm)</td>
<td>2\frac{5}{8}&quot; (67 mm)</td>
<td>4\frac{1}{8}&quot; (106 mm)</td>
</tr>
<tr>
<td>1\frac{1}{4}&quot;</td>
<td>7\frac{3}{8}&quot; (192 mm)</td>
<td>1\frac{3}{8}&quot; (35 mm)</td>
<td>1\frac{3}{8}&quot; (35 mm)</td>
<td>2\frac{3}{8}&quot; (70 mm)</td>
<td>3\frac{3}{8}&quot; (86 mm)</td>
<td>2\frac{1}{2}&quot; (159 mm)</td>
<td>3\frac{1}{6}&quot; (78 mm)</td>
<td>4\frac{1}{8}&quot; (119 mm)</td>
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<tr>
<td>2&quot;</td>
<td>10\frac{1}{4}&quot; (260 mm)</td>
<td>1\frac{3}{8}&quot; (460 mm)</td>
<td>1\frac{3}{8}&quot; (159 mm)</td>
<td>3\frac{3}{8}&quot; (93 mm)</td>
<td>5\frac{3}{8}&quot; (143 mm)</td>
<td>2\frac{3}{4}&quot; (70 mm)</td>
<td>3\frac{1}{4}&quot; (95 mm)</td>
<td>6\frac{1}{2}&quot; (165 mm)</td>
</tr>
</tbody>
</table>

The Model 2500 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) – 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 waterflow 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.

Orifice Sizes

\(\frac{3}{8}", \frac{5}{32}", \frac{1}{2}", \frac{5}{32}", \frac{3}{4}"\) ELO*,
\(\frac{3}{4}"\) ESFR*, and K25**

Materials

Handle ............ Steel
Stem .............. Rod Brass
Ball .................. C.P. Brass
Body ............... Bronze
Valve Seat .......... Impregnated Teflon®
Indicator Plate .... Steel
Handle Lock ...... Spring Steel

Approvals

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

USA Patent # 4741361 and Other Patents Pending

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Job Name: ___________________________
Architect: __________________________
Engineer: __________________________
Contractor: _________________________

*Available on 1¼” to 2” size units only • **Available on 1½” and 2” size units only • † 2” M2500 is Groove x Groove only

Made in U.S.A.