



Model 1500

# DRAIN<sub>an</sub>TEST<sup>®</sup>

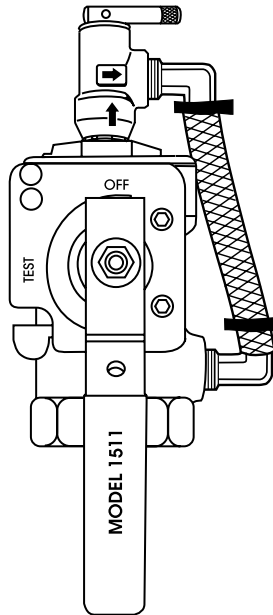
Alarm Main Drain and Test Valve



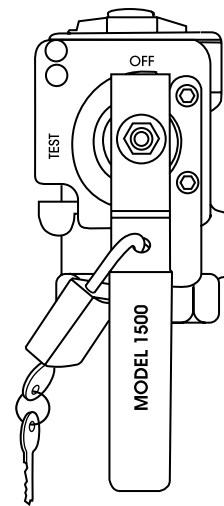
2" BSPT



MODEL 1511 WITH PRESSURE RELIEF VALVE & BYPASS LINE



WITH OPTIONAL LOCKING KIT



- The AGF Manufacturing Inc. **Model 1500 DRAIN<sub>an</sub>TEST<sup>®</sup>** valve is designed for use as the 2" main drain and test valve for wet pipe sprinkler systems used for the testing of alarm devices attached to the alarm check valve.
- The **Model 1500 DRAIN<sub>an</sub>TEST<sup>®</sup>** is a compact, single handle, iron body, 2" ball valve that includes a tamper resistant test orifice and is 300 PSI rated.
- Available in 2" BSPT with all specified orifice sizes of  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{17}{32}$ ",  $\frac{5}{8}$ " (ELO),  $\frac{3}{4}$ " (ESFR), and K25; to meet K-factors of 2.8 through 25 (metric K40 through K366). Test orifice sizes are noted on the indicator plate.
- The **Model 1500** can be ordered with a pressure relief valve with bypass drain line kit as the **Model 1511** to meet the needs of systems requiring the installation of a pressure relief valve.
- A locking kit is available and can be ordered with the valve to provide vandal resistance or prevent unintentional alarm activation.
- Repair kits including (1) adapter gasket, (1) ball, (2) valve seats, (1) stem packing, and (1) stem washer are available for all **DRAIN<sub>an</sub>TEST<sup>®</sup>** valves. 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.

**Reliability, Versatility, Code Compatibility**

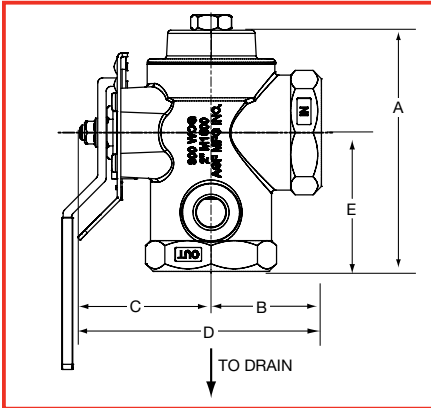


Model 1500

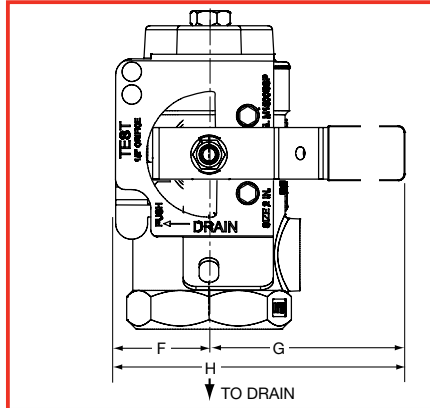
# DRAINanTEST®

300 PSI Iron Body Ball Valve

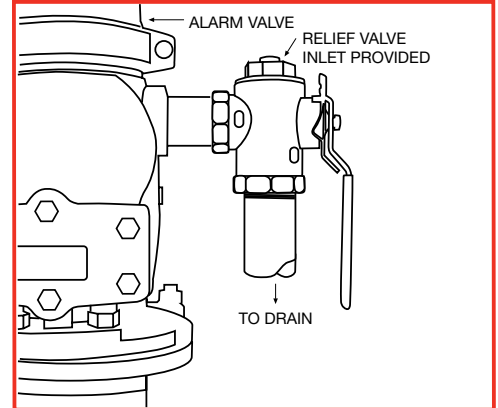
MODEL 1500 - PLAN VIEW



MODEL 1500 - FRONT VIEW



FRONT VIEW - VERTICAL INSTALL



## DIMENSIONS

Orifice Size Available	3/8"	7/16"	1/2"	17/32"	ELO (5/8")	ESFR (3/4")	K25
Imperial K-factor	2.8	4.2	5.6	8.0	11.2	14.0	25
Metric K-factor	40	60	80	115	161	202	366

SIZE	A	B	C	D	E	F	G	H
2"	5 5/8" (143 mm)	2 5/8" (67 mm)	3 1/4" (82.5 mm)	5 7/8" (149 mm)	3 1/2" (89 mm)	1 1/2" (38 mm)	6" (152 mm)	7 1/2" (190.5 mm)

## MATERIALS

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

## APPROVALS

UL and ULC Listed  
 FM Approved

## INSTALLATION

1. Check the indicating plate for the correct orifice size.
2. Thread the inlet of the **DRAINanTEST**® onto the nipple from the alarm valve drain port.
3. Connect main drain pipe to the outlet of the **DRAINanTEST**® valve.

## OPERATION

Alarm Check Valve Test:

1. Turn valve handle clockwise from "Off" to "Test" position. The handle will stop automatically.
2. After test is completed, turn handle to "Off" position.

Water Supply Flow Test:

1. Depress "Push" button and turn handle counterclockwise to "Drain" position.
2. After test is completed, turn handle to "Off" position.

To Drain the System:

1. Close supply control valve
2. Depress "Push" button and turn handle counterclockwise to "Drain" position.
3. When system is empty, return handle clockwise to "Off" position.

## MAINTENANCE

Operate the Model 1500 **DRAINanTEST**® after installation and periodically as required by the Authority Having Jurisdiction. Repeated operation of the valve may cause the packing gland to loosen. If leakage from the packing gland occurs:

1. Remove hex nut and handle. (Note position of handle prior to removal, so handle may be re-installed in same position.)
2. Tighten packing gland by turning the hex nut clockwise. Do not over-tighten.
3. Replace handle and hex nut.
4. Operate the **DRAINanTEST**® to verify that the packing gland has not been overtightened and the handle operates properly.

## REPAIR/REPLACEMENT

Repair or replacement kits, AGF Part #982, are available and contain the following: 2 Ball Seats, 1 Stem Washer, 1 End Adapter Seal Ring, 1 Stem Gasket.

Items from the Material List are available individually. You can also order a replacement ball, AGF Part #942. Please indicate proper TEST orifice size.



USA Patent and Other Patents Pending



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