

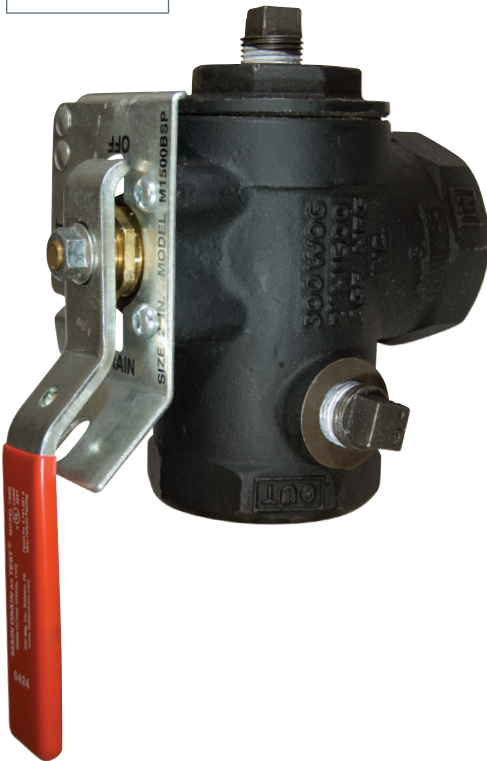


# Model 1500 DRAIN<sub>AN</sub>TEST<sup>®</sup>

## Alarm Main Drain and Test Valve

Size:

2" BSPT



### DRAIN<sub>AN</sub>TEST<sup>®</sup> Model 1500

The AGF Manufacturing, Inc. **DRAIN<sub>AN</sub>TEST<sup>®</sup> Model 1500** 2" main drain and test valve is designed for wet pipe sprinkler systems and is used for testing devices attached to the alarm check valve. It is a 300 PSI rated, compact, single-handle, iron body ball valve that includes a tamper-resistant test orifice available with several orifice sizes including: 3/8", 7/16", 1/2", 17/32", 5/8" (ELO), 3/4" (ESFR), and K25; to meet K-factors of 2.8 through 25.4 (metric K40 through K366). Test orifice sizes can be found on the indicator plate.

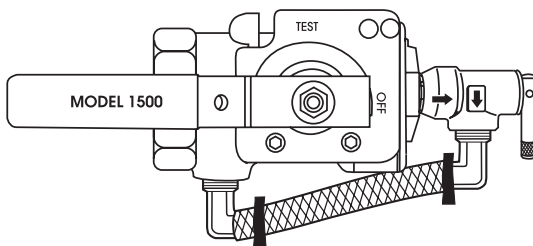
The **Model 1500** can be ordered with an optional pressure relief valve bypass drain kit to meet the needs of systems requiring a pressure relief valve.

### Model 1500 Features

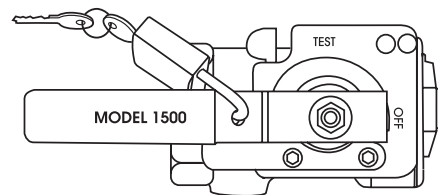
- 2" Main Drain and Test Valve
- Compact, Single-Handle Ball Valve
- Iron Body
- Tamper-Resistant Test Orifice
- 300 PSI Rated
- Locking Kit Available

Repair kits are available for all **DRAIN<sub>AN</sub>TEST<sup>®</sup>** valves. Kit includes: Adapter Gasket (1), Ball (1), Valve Seats (2), Stem Packing (1), and Stem Washer (1). *Orifice size must be specified when ordering.*

### Optional Pressure Relief Valve Bypass Drain Kit (Item ID #262)



### Optional Locking Kit (Item ID #870)



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.

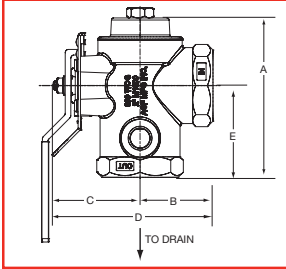
**Reliability, Versatility, Code Compatibility**



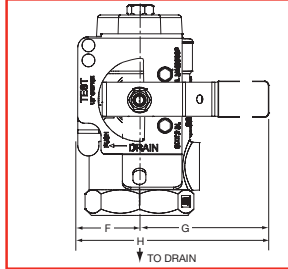
# Model 1500 DRAINanTEST®

## 300 PSI Iron Body Ball Valve

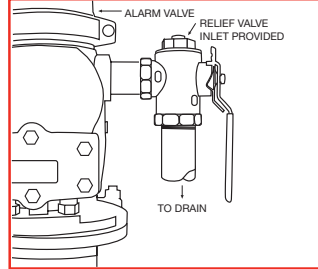
M1500 - Plan View



M1500 - Front View



Front View - Vertical Install



### Orifice Sizes

3/8", 7/16", 1/2", 17/32", 5/8" ELO\*,  
3/4" ESFR\*, and K25\*\*

### Materials

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

### Dimensions

Orifice Sizes 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	25.4
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)

### 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®** on the nipple from the alarm valve or drain port.
3. Connect main drain pipe to the outlet of the **DRAINanTEST®** valve.

### Operation

#### Alarm Check Valve Test:

1. Turn valve handle counterclockwise from "OFF" to "TEST" position. The handle will stop automatically.
2. After test is completed, turn handle back 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 back 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 **DRAINanTEST®** Model 1500 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 overtighten.
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 are available. Kits contain the following: Adapter Gasket (1), Ball (1), Valve Seats (2), Stem Packaging (1), and Stem Washer (1).

Please indicate proper Test Orifice Size.

## USA Patent and Other Patents Pending



**AGF Manufacturing Inc.**  
100 Quaker Lane, Malvern, PA 19355  
Phone: 610-240-4900  
Fax: 610-240-4906  
www.testandrain.com

Job Name: \_\_\_\_\_

Architect: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_