

# TESTANDRAIN®

## Model 2500

QUALITY COMPONENTS FOR FIRE SPRINKLER SYSTEMS



### System Test and Express Drain Valve

The AGF TESTANDRAIN Model 2500 is a single-handle ball valve (with an alternative handle location for added installation flexibility) that provides the test and express drain functions for fire sprinkler systems. The single-handle ball valve configuration eliminates the multiple connections needed by traditional loop assemblies.

The Model 2500 is compliant with industry standards which require provisions for properly draining a system (NFPA 13, 13D, and 13R). All models are 300 PSI rated, include a tamper-resistant test orifice and sight glass, are available in a range of sizes (1"–2") with optional orifice sizes (2.8K–25.2K), and NPT or grooved (GRV) inlet/outlet ports. All TESTANDRAIN valves feature a plugged port for system access, are field-serviceable (repair kits sold separately), and offer locking kits for added security.

### Features

- NFPA Compliant (13, 13D, and 13R)
- 1", 1¼", and 2" Sizes
- Orifice Options (2.8K–25.2K)
- Alternative Handle Location
- Tamper-Resistant Test Orifice and Sight Glass
- Plugged System Access Port
- 300 PSI Rated
- Horizontal or Vertical Installation
- Field Serviceable
- Locking Kits Available



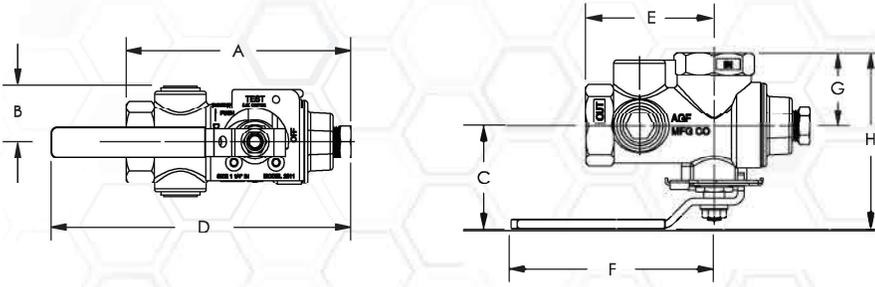
### Models

Model 2500 Part Numbers						
Orifice Size		1"		1¼"		2"
K-Factor	Fractional	NPT	GRV	NPT	GRV	GRV
2.8	3/8"	406-0	406G-0	407-0	407G-0	409G-0
4.2	7/16"	406-1	406G-1	407-1	407G-1	409G-1
5.6	1/2"	406-2	406G-2	407-2	407G-2	409G-2
8.0	17/32"	406-3	406G-3	407-3	407G-3	409G-3
11.2 (ELO)	5/8"	406-4	406G-4	407-4	407G-4	409G-4
14.0 (ESFR)	3/4"	-	-	407-5	407G-5	409G-5
25.2	-	-	-	-	-	409G-6

Most Popular Models

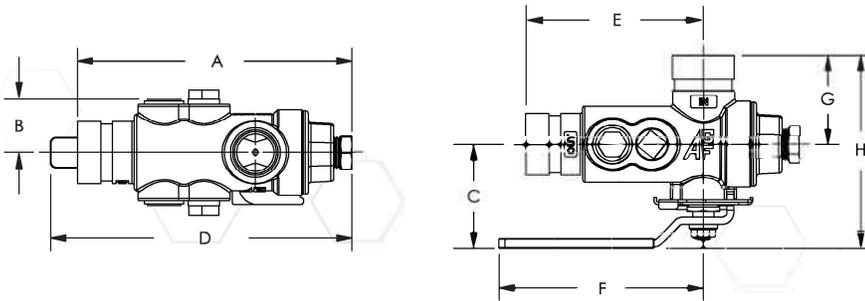


## Dimensions



NPT								
Size	A	B	C	D	E	F	G	H
1"	5½" (141 mm)	1¼" (33 mm)	2⅜" (60 mm)	6¾" (171 mm)	3⅜" (86 mm)	4⅝" (116 mm)	1¾" (44 mm)	4⅛" (103 mm)
1¼"	6" (153 mm)	1½" (38 mm)	2¾" (71 mm)	8" (205 mm)	3½" (88 mm)	5½" (139 mm)	2" (50 mm)	4¾" (121 mm)

Sizes have been rounded to the highest millimeter



GRV								
Size	A	B	C	D	E	F	G	H
1"	6⅝" (169 mm)	1½" (37 mm)	2⅝" (60 mm)	6¾" (171 mm)	4½" (114 mm)	4⅝" (116 mm)	2⅞" (54 mm)	4½" (114 mm)
1¼"	7⅞" (186 mm)	1⅞" (43 mm)	2¾" (71 mm)	8" (205 mm)	4¾" (121 mm)	5½" (139 mm)	2⅝" (60 mm)	5⅞" (131 mm)
2"	8½" (216 mm)	1⅞" (47 mm)	3⅞" (98 mm)	11⅞" (284 mm)	5½" (140 mm)	8⅞" (206 mm)	2¾" (70 mm)	6⅝" (168 mm)

Sizes have been rounded to the highest millimeter

USA Patent #4741361 and Other Patents Pending

For use on wet and dry fire sprinkler systems.

## Valve Sizes

1", 1¼", and 2"

## Orifice Options

2.8K, 4.2K, 5.6K, 8.0K, 11.2K (ELO),  
14.0K (ESFR), and 25.2K

## Connections

Inlet..... NPT or Groove (GRV)  
Outlet..... NPT or Groove (GRV)  
(BSPT Available)

## Installation Orientation

Horizontal  
Vertical

## Electrical Requirements

None

## 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 Tube ..... Nylobraid

## Rating

300 PSI

## Compliance

NFPA 13  
NYC-BSA No. 720-87-SM

## Approvals

UL/ULC (EX4019 & EX4533)  
FM



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

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

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

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