

# TEST<sub>AND</sub>DRAIN<sup>®</sup>

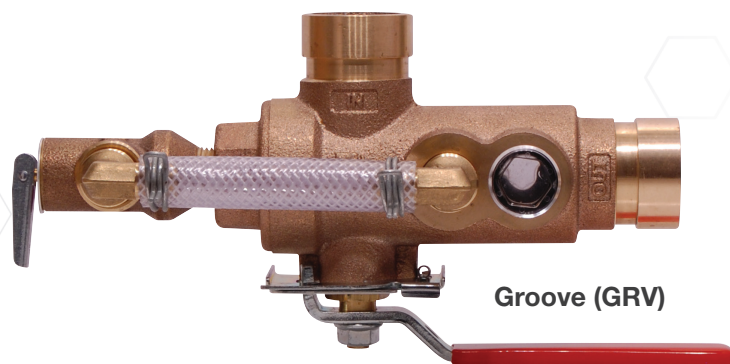
## Model 2511A

QUALITY COMPONENTS FOR FIRE SPRINKLER SYSTEMS

### System Test and Express Drain Valve

The AGF TEST<sub>AND</sub>DRAIN Model 2511A is a single-handle ball valve (with an alternative handle location for added installation flexibility) that provides the test and express drain functions for wet fire sprinkler systems. The single-handle ball valve configuration eliminates the multiple connections needed by traditional loop assemblies.

The Model 2511A is compliant with industry standards which require provisions for properly draining a system and the inclusion of a pressure relief valve on all wet systems (NFPA 13). All 2511A models feature a 175 PSI rated pressure relief valve (other ratings available) with drain trim, and tamper-resistant test orifice and sight glass. TEST<sub>AND</sub>DRAIN valves are available in a full range of sizes (1"–2") with optional orifice sizes (2.8K–25.2K) and NPT or grooved (GRV) inlet/outlet ports. Valves 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
- 300 PSI Rated
- 175 PSI Rated Pressure Relief Valve Included (Other Rating Available)
- Horizontal or Vertical Installation
- Field Serviceable
- Locking Kits Available

### Models

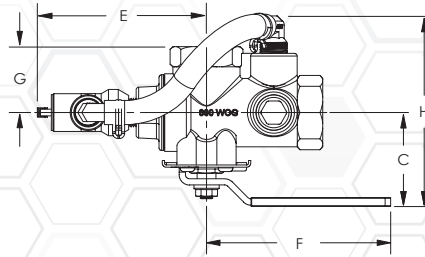
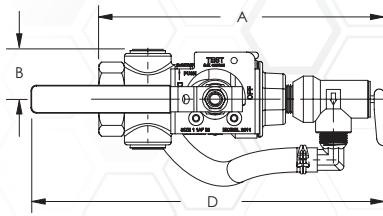
Model 2511A Part Numbers						
Orifice Size		1"		1¼"		2"
K-Factor	Fractional	NPT	GRV	NPT	GRV	GRV
2.8	3/8"	406A-0	406GA-0	407A-0	407GA-0	409GA-0
4.2	7/16"	406A-1	406GA-1	407A-1	407GA-1	409GA-1
5.6	1/2"	406A-2	406GA-2	407A-2	407GA-2	409GA-2
8.0	17/32"	406A-3	406GA-3	407A-3	407GA-3	409GA-3
11.2 (ELO)	5/8"	406A-4	406GA-4	407A-4	407GA-4	409GA-4
14.0 (ESFR)	3/4"	-	-	407A-5	407GA-5	409GA-5
25.2	-	-	-	-	-	409GA-6

Most Popular Models



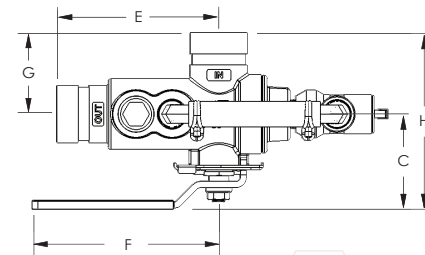
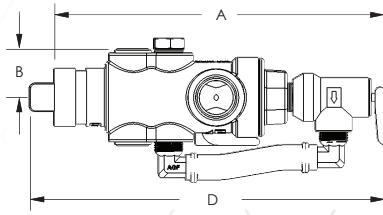
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## Dimensions



NPT								
Size	A	B	C	D	E	F	G	H
1"	8" (203 mm)	1 1/4" (33 mm)	2 3/8" (60 mm)	9 1/8" (233 mm)	4 5/8" (117 mm)	4 5/8" (116 mm)	1 3/4" (44 mm)	5" (129 mm)
1 1/4"	8 1/2" (216 mm)	1 1/2" (38 mm)	2 3/4" (71 mm)	10 1/2" (267 mm)	5" (128 mm)	5 1/2" (139 mm)	2" (50 mm)	5 5/8" (144 mm)

Sizes have been rounded to the highest millimeter



GRV								
Size	A	B	C	D	E	F	G	H
1"	9 1/8" (232 mm)	1 1/4" (32 mm)	2 3/8" (60 mm)	9 1/8" (232 mm)	4 3/4" (117 mm)	4 3/4" (116 mm)	2 1/8" (54 mm)	4 1/2" (113 mm)
1 1/4"	9 3/4" (247 mm)	1 3/8" (35 mm)	2 3/4" (71 mm)	10 1/2" (265 mm)	4 3/4" (121 mm)	5 1/2" (139 mm)	2 3/8" (60 mm)	5 1/8" (130 mm)
2"	11" (279 mm)	1 7/8" (47 mm)	3 3/4" (95 mm)	13 5/8" (346 mm)	5 1/2" (140 mm)	8 1/8" (207 mm)	2 3/4" (70 mm)	6 1/2" (164 mm)

Sizes have been rounded to the highest millimeter

**NOTE:** UL and FM standards for sprinkler system pressure relief valves require relief valves to operate within a range of their ratings. FM requires a relief valve to OPEN at a pressure no less than 85% of their rating and UL requires OPENING at a pressure no greater than 105% of their rating. Both standards require the relief valves to CLOSE within a percentage below OPEN. Choose the relief valve comparing static pressure to 90% of the relief valve's rating to determine the estimated minimum OPENING and 80% of the relief valve's rating for approximate maximum CLOSING. 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.

USA Patent #4741361 and Other Patents Pending

For use on wet fire sprinkler systems.

## Valve Sizes

1", 1 1/4", 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: \_\_\_\_\_