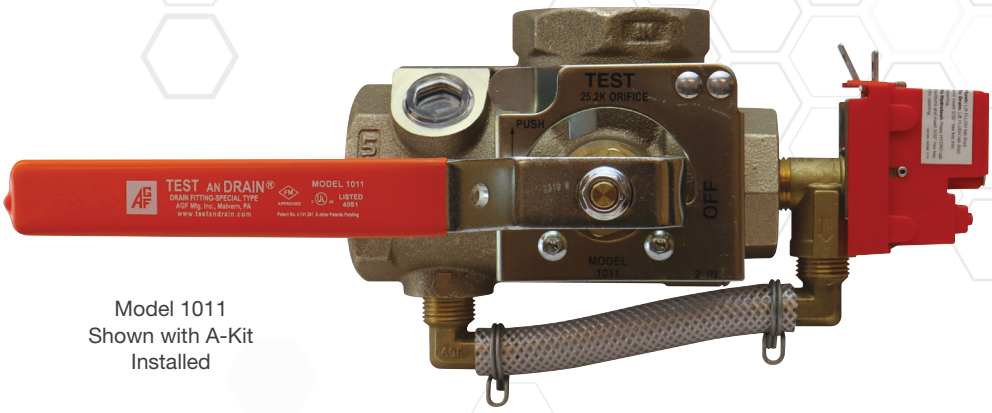
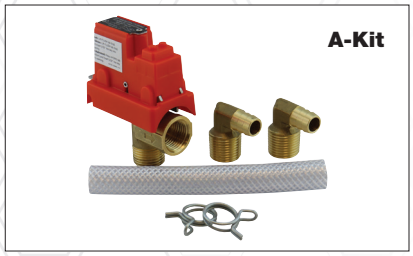
# TESTANDRAIN®

# Model 1011

QUALITY COMPONENTS FOR FIRE SPRINKLER SYSTEMS




Model 1011
Shown with A-Kit
Installed





## System Test and Express Drain Valve

The UL Listed and FM Approved AGF TESTANDRAIN Model 1011 is a single-handle ball valve designed to eliminate the multiple connections needed by traditional loop assemblies while providing the test and express drain functions for wet fire sprinkler systems. TESTANDRAIN Model 1011 valves are available in ¾" - 2" sizes, include sight glasses, and a tamper resistant test orifice in optional sizes (2.8K - 25.2K). All valves are field-serviceable (repair kits sold separately) and are available with locking kits for added security. Model 1011 valves are compliant with NFPA standards which require provisions for properly draining a system.

The **A-Kit** includes a UL Listed and FM Approved, 175 PSI, Model 7000L pressure relief valve (other ratings: 200, 225, and 300 PSI) with drain trim.

The **T-Kit** includes a UL Listed and FM Approved, 175 PSI, Model 7000L pressure relief valve (other rating available), 3-way universal gauge valve for testing, 4" pressure gauge, and drain trim.

## Features

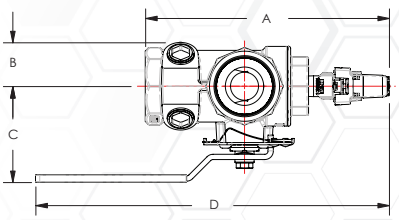
- NFPA 13 Compliant
- 400 PSI Rated
- Tamper-Resistant Sight Glass
- Tamper-Resistant Test Orifice
- Horizontal or Vertical Installation
- Field Serviceable
- Optional Locking Kit

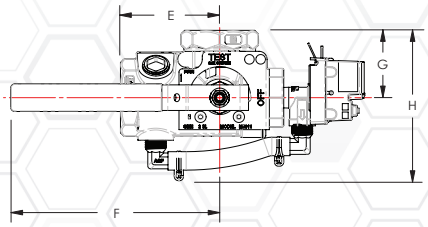
| Orifice Size | | A-Kit Part Numbers | | | | | T-Kit Part Numbers | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| K-Factor | Fractional | 3/4" | 1" | 1¼" | 1½" | 2" | 3/4" | 1" | 1¼" | 1½" | 2" |
| 2.8 | 3/8" | 200A | 210A | 220A | 230A | 240A | 200T | 210T | 220T | 230T | 240T |
| 4.2 | 7/16" | 201A | 211A | 221A | 231A | 241A | 201T | 211T | 221T | 231T | 241T |
| 5.6* | 1/2" | 202A | 212A | 222A | 232A | 242A | 202T | 212T | 222T | 232T | 242T |
| 8.0 | 17/32" | 203A | 213A | 223A | 233A | 243A | 203T | 213T | 223T | 233T | 243T |
| 11.2 (ELO) | 5/8" | 204A | 214A | 224A | 234A | 244A | 204T | 214T | 224T | 234T | 244T |
| 14.0 (ESFR) | 3/4" | - | - | 225A | 235A | 245A | - | - | 225T | 235T | 245T |
| 25.2 | - | - | - | - | 236A | 246A | - | - | - | 236T | 246T |

*Most Popular Models

## Dimensions

### With A-Kit Installed

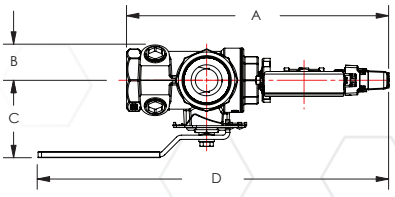


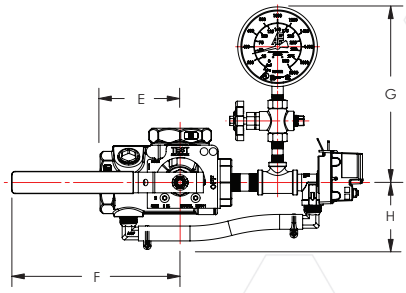




| Size | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| ¾" | 8¼" (209 mm) | 1⅜" (36 mm) | 2⅜" (60 mm) | 9⅛" (233 mm) | 3⅜" (86 mm) | 4⅝" (116 mm) | 1¾" (44 mm) | 4½" (114 mm) |
| 1" | 8¼" (209 mm) | 1⅜" (36 mm) | 2⅜" (60 mm) | 9⅛" (233 mm) | 3⅜" (86 mm) | 4⅝" (116 mm) | 1¾" (44 mm) | 4½" (114 mm) |
| 1¼" | 8½" (217 mm) | 1⅜" (36 mm) | 2¾" (71 mm) | 10½" (266 mm) | 3⅜" (84 mm) | 5½" (139 mm) | 2" (50 mm) | 4⅞" (125 mm) |
| 1½" | 9½" (242 mm) | 1¾" (43 mm) | 3¾" (95 mm) | 13⅝" (346 mm) | 3⅞" (98 mm) | 8⅛" (207 mm) | 2⅝" (67 mm) | 5⅞" (150 mm) |
| 2" | 9½" (242 mm) | 1¾" (43 mm) | 3¾" (95 mm) | 13⅝" (346 mm) | 3⅞" (98 mm) | 8⅛" (207 mm) | 2⅝" (67 mm) | 5⅞" (150 mm) |

Sizes have been rounded to the highest millimeter

### With T-Kit Installed




| Size | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| ¾" | 11⅛" (284 mm) | 1⅜" (36 mm) | 2⅜" (60 mm) | 12⅝" (320 mm) | 3⅜" (86 mm) | 4⅝" (116 mm) | 8½" (216 mm) | 2¾" (71 mm) |
| 1" | 11⅜" (290 mm) | 1⅜" (36 mm) | 2⅜" (60 mm) | 12⅝" (320 mm) | 3⅜" (86 mm) | 4⅝" (116 mm) | 8½" (216 mm) | 2¾" (71 mm) |
| 1¼" | 11¾" (298 mm) | 1⅜" (36 mm) | 2¾" (71 mm) | 13⅞" (353 mm) | 3⅜" (84 mm) | 5½" (139 mm) | 8½" (216 mm) | 2⅞" (73 mm) |
| 1½" | 12¾" (324 mm) | 1¾" (43 mm) | 3¾" (95 mm) | 17" (432 mm) | 3⅞" (98 mm) | 8⅛" (207 mm) | 8½" (216 mm) | 3¼" (81 mm) |
| 2" | 12¾" (324 mm) | 1¾" (43 mm) | 3¾" (95 mm) | 17" (432 mm) | 3⅞" (98 mm) | 8⅛" (207 mm) | 8½" (216 mm) | 3¼" (81 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.



For use on wet fire sprinkler systems.

## Valve Sizes

¾", 1", 1¼", 1½", and 2"

## Orifice Options

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

## Connections

Inlet..... NPT
Outlet..... NPT
(BSPP Available)

## Installation Orientation

Horizontal or Vertical

## Electrical Requirements

None

## Valve Materials

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

## Rating

400 PSI

## Compliance

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

## Model 1011 Valve Approvals

UL/ULC (EX4019 & EX4533)
FM

FM APPROVED
UL LISTED

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Job Name: _____
Architect: _____
Engineer: _____
Contractor: _____