

# WET SYSTEM VALVES & DEVICES



**Wet Pipe Sprinkler Systems** are designed for use in applications where the temperature is maintained above freezing. In such systems, the entire piping network is fully pressurized so that water is discharged from a sprinkler head immediately after actuation.

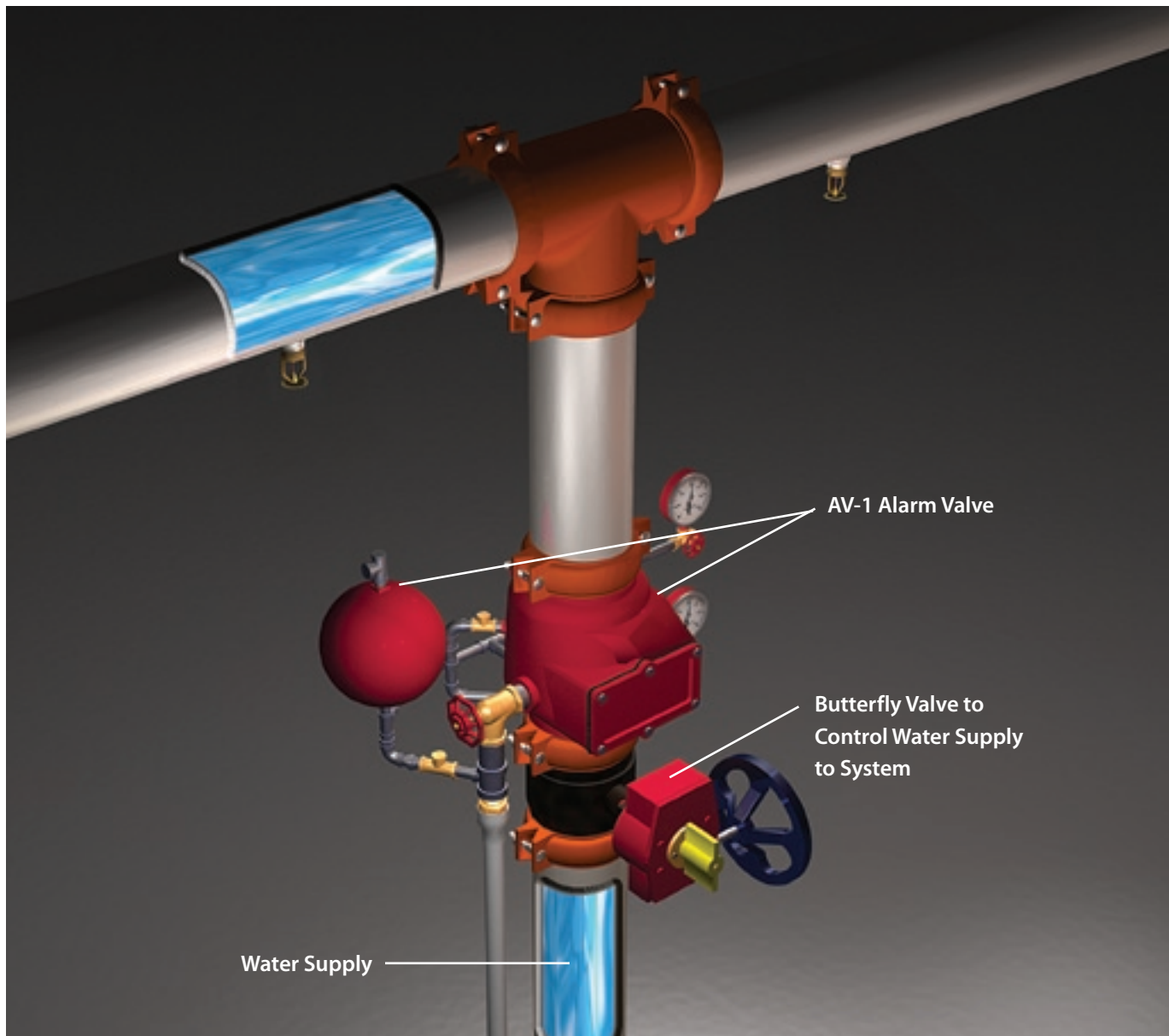
Alarm check valves or water flow detectors are used to actuate local and remote alarms. Applications include heated warehouses, factories, hospitals, stores, shopping centers and residential settings such as apartment or condominium complexes, and single family residences.

## APPLICATIONS:

- *Heated Warehouses*
- *Factories*
- *Hospitals*
- *Stores*
- *Shopping Centers*
- *Apartment or Condominium Complexes*
- *Single Family Residences*

# SYSTEM VALVES & DEVICES

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### AV-1

#### Alarm Valve

- 2<sup>1</sup>/<sub>2</sub>" (DN65) Alarm Valves may be installed vertically
- 4", 6", and 8" (DN100, DN150, and DN200) Alarm Valves may be installed vertically or horizontally
- Groove x Groove, Flange x Flange, Flange x Groove Alarm Valves are divided seat ring, rubber-faced clapper, check type, water flow alarm valves
- For use in wet pipe (automatic sprinkler) fire protection systems
- Automatically actuates electrically and/or hydraulically operated alarms when there

#### TECH DATA

TFP910

- is a steady flow equivalent to the discharge rate for one or more sprinklers
- Optional Retard Chamber used in installations subject to variable pressure (generally associated with public water supplies) to help prevent false alarms
- Available pre-assembled with modular trim to provide a quick and convenient method for trimming valve risers. Contact TFBP for details
- Maximum rated working pressure is 300 psi (20,7 bar)



Always refer to the product's Technical Data Sheet for a complete description of all Listing and Approval criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.

### CV-1FR

#### Riser Check Valve

- Sizes 2" (DN50) through 8" (DN200)
- Intended for use in a wet type automatic sprinkler system riser
- Furnished with grooved ends that are compatible with grooved pipe and couplings
- Can be installed with ANSI class 150 or 300 Flanges utilizing flange adapters

**TECH DATA** TFP950

- Designed with a removable cover for ease of field maintenance
- Standard seal is grade "E" EPDM
- Maximum rated working pressure is 300 psi (20,7 bar)



### RSV-1

#### Residential Domestic Shutoff Valve

- 1" (DN25) size is designed for single family demand (NFPA 13D)
- During the design of a residential sprinkler system, domestic water use should be taken into consideration unless the domestic supply can be stopped when a sprinkler operates
- When a sprinkler operates, water supply is automatically diverted from the domestic system to the sprinkler system
- Eliminates the need for pumps, pressurized storage tanks, or electrically operated domestic shutoff valves

**TECH DATA** TFP980

- Valve automatically resets after the fire protection system is returned to normal service
- Maximum rated working pressure is 175 psi (12,1 bar)



### RISER MANIFOLDS

#### 513D (13D), 513D/R (13D/R) and 513 (13)

- 513D (13D) and 513D/R (13D/R):
  - Available sizes: 1", 1-1/2", and 2" (DN25, DN40, and DN50)
  - Provides the necessary water flow alarm, pressure gauge, and drain equipment in a single assembly for use in NFPA 13D or 13R residential sprinkler systems
- 513 (13):
  - Available sizes: 1-1/2" thru 6" (DN40 thru DN150)
  - Provides the necessary water flow alarm, pressure gauge, alarm test orifice, drain, and sight glass equipment in a single assembly for use in NFPA 13 sprinkler systems

**TECH DATA** TFP960 & TFP962

- Available in different configurations and variety of sizes allowing a cost effective and easy transition to check valves, control valves, and system piping
- May be installed either horizontally (flow switch on top) or vertically (flow going up)
- Maximum rated working pressure is 175 psi (12,1 bar)



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### RESI-RISER

#### Residential

- Sizes 1" - 2" (25-50 mm)
- Compact, pre-assembled, ready to install sprinkler riser
- Brass construction for use in potable water supply
- Integral test and drain assembly, flow switch with retard mechanism, 300 psi gauge, and check valve
- Compact size allows for easy installation between 2" x 4" (50-100 mm) studs

#### TECH DATA

Contact TFBP for details

- Molded mounting points allow for fast and easy left or right hand installation
- Available with or without pressure relief valve or flow switch retard mechanism features
- Maximum rated working pressure is 175 psi (12,1 bar)



### WMA-1

#### Water Motor Alarm

- Hydraulically operated outdoor alarm for use with appropriate fire protection system valves (alarm, dry, deluge)
- Supplied by dedicated outlet in valve trim line or retard chamber
- Uses energy-efficient lightweight impeller design capable of producing very high sound level
- Corrosion-resistant aluminum alloy gong, gong-mount, and water motor housing
- Delrin bearings - do not require lubrication - for long life
- May be mounted on any type of wall

#### TECH DATA

TFP921

- Can accommodate range of wall thicknesses from 2" to 18" (50 to 450 mm)
- Furnished with approved 3/4" (20 mm) Y-strainer for use in alarm line
- Maximum rated working pressure is 300 psi (20,7 bar)

