

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.

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.

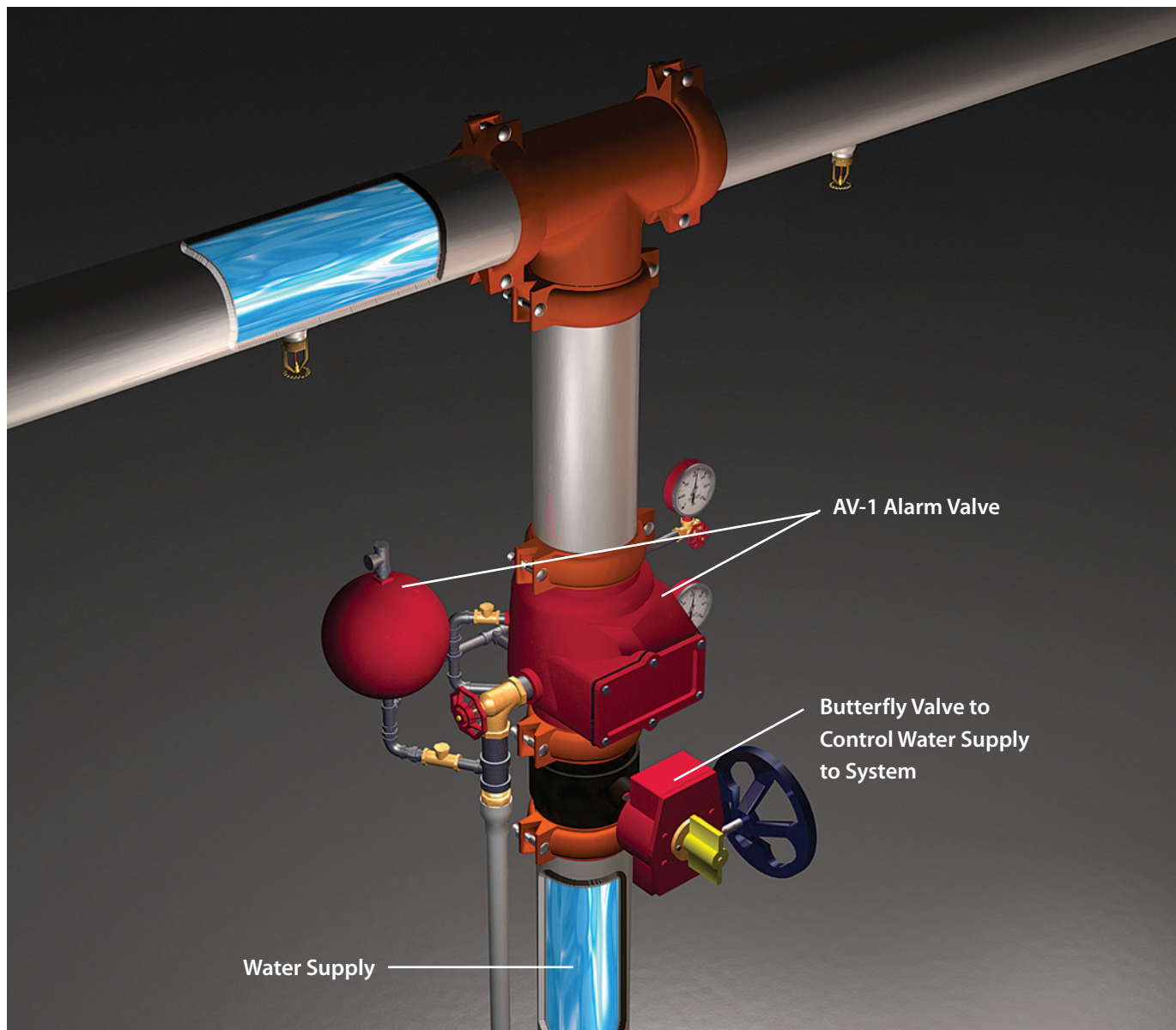
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APPLICATIONS:

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

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AV-1-300

Alarm Valve

- Sizes 2½" thru 8" (DN65 thru DN200)
- AV-1 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 is a steady flow equivalent to the discharge rate for one or more sprinklers

TECH DATA TFP910

- 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 TFP for details
- Working water pressure range is 20 to 300 psi (1,4 to 20,7 bar)
- Listings and Approvals: UL, C-UL, & FM



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RC-1

Retard Chamber

- The Model RC-1 Retard Chamber is required in installations that will be subject to pressure variations, as are generally associated with public water supplies, in order to help prevent false alarms
- Intended for use in a wet type automatic sprinkler system riser
- Maximum rated working pressure is 300 psi (20,7 bar)

TECH DATA TFP920

- Listings and Approvals:
UL, ULC, & FM for use with: Model AV-1-300 Alarm Check Valves
UL, ULC, FM, VdS, & LPCB for use with the following Alarm Check Valves: Model AV-1-175, Gem Model F20/F200/F2001, Gem Model A, Star Model S30/S300/S3001



CV-1FR

Riser Check Valve

- Sizes 2" (DN50) through 12" (DN300)
- 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
- Designed with a removable cover for ease of field maintenance

TECH DATA TFP950

- Standard seal is grade "E" EPDM
- Maximum rated working pressure is 300 psi (20,7 bar)
- Listings and Approvals:
UL, C-UL, & FM



RISER MANIFOLDS

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

- 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)
- 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

TECH DATA TFP960 & TFP962

- 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
- Maximum rated working pressure is 175 psi (12,1 bar)



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RSV-1

Residential Shutoff Valve

- 1" (DN25) size is designed for NFPA 13D system needs. The 2" (DN50) is designed for either NFPA 13D or NFPA 13R.
- 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)
- Listings and Approvals: UL, C-UL, & NSF



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 Tyco 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
- Polymer bearings do not require lubrication
- Must be mounted to a rigid wall surface

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)
- Listings and Approvals: UL, ULC, FM, VdS, & LPCB



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