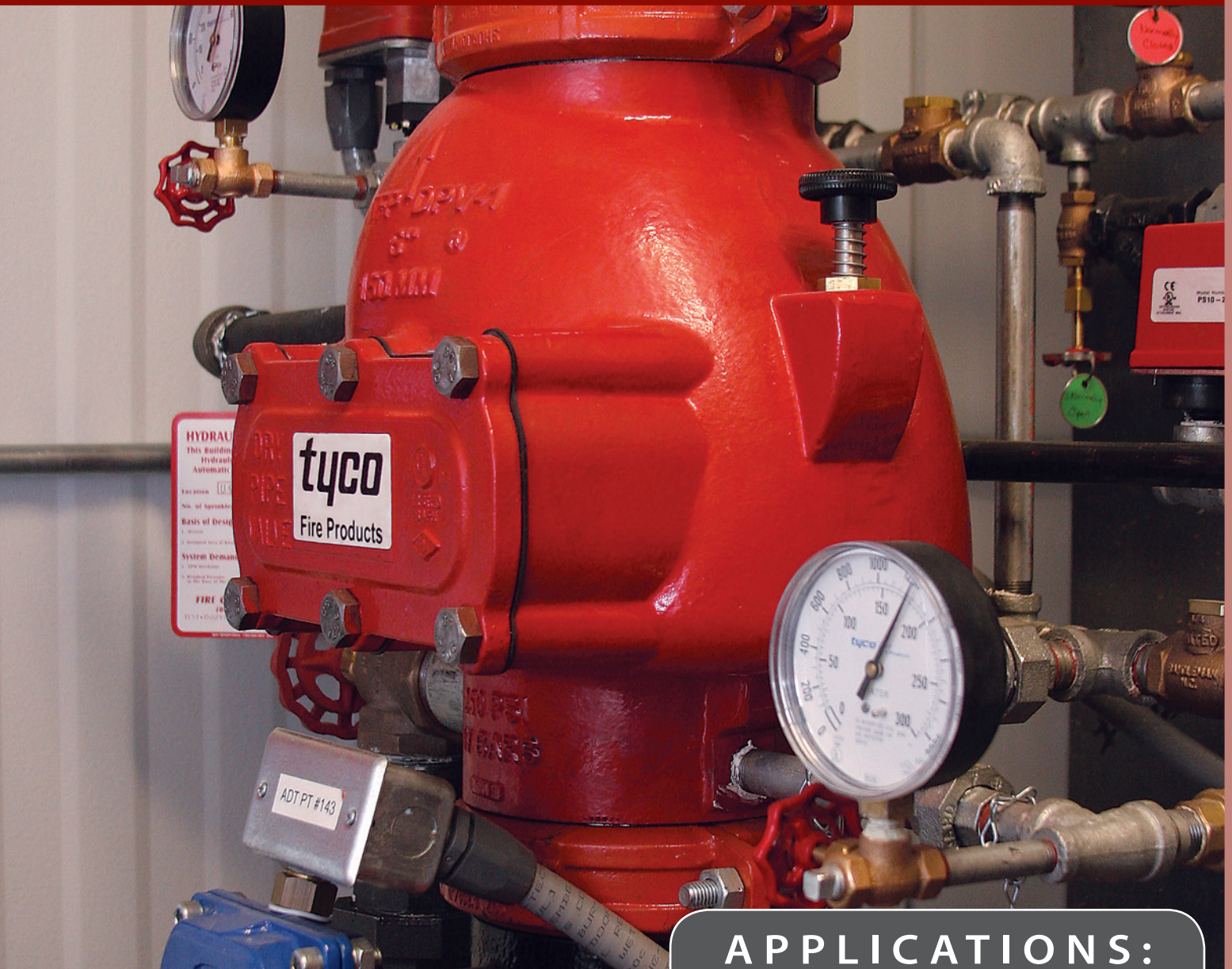


DRY SYSTEM VALVES & DEVICES



Dry Pipe Sprinkler Systems are designed for applications where piping and sprinklers are subjected to freezing temperatures, such as unheated warehouses, parking garages, store windows, attic spaces, or loading docks. Valves for the system, however, must be installed in areas not subject to freezing, as this portion of the system does contain water. Pipe lines to the sprinklers are usually pressurized with air, but nitrogen can be used. When pressure in the system is lost by actuation of a sprinkler head, the dry pipe valve trips, activates alarms, and releases water into the system. The system may be equipped with automatic or manual air supply controls and air supervisory devices with appropriate trouble alarms.

APPLICATIONS:

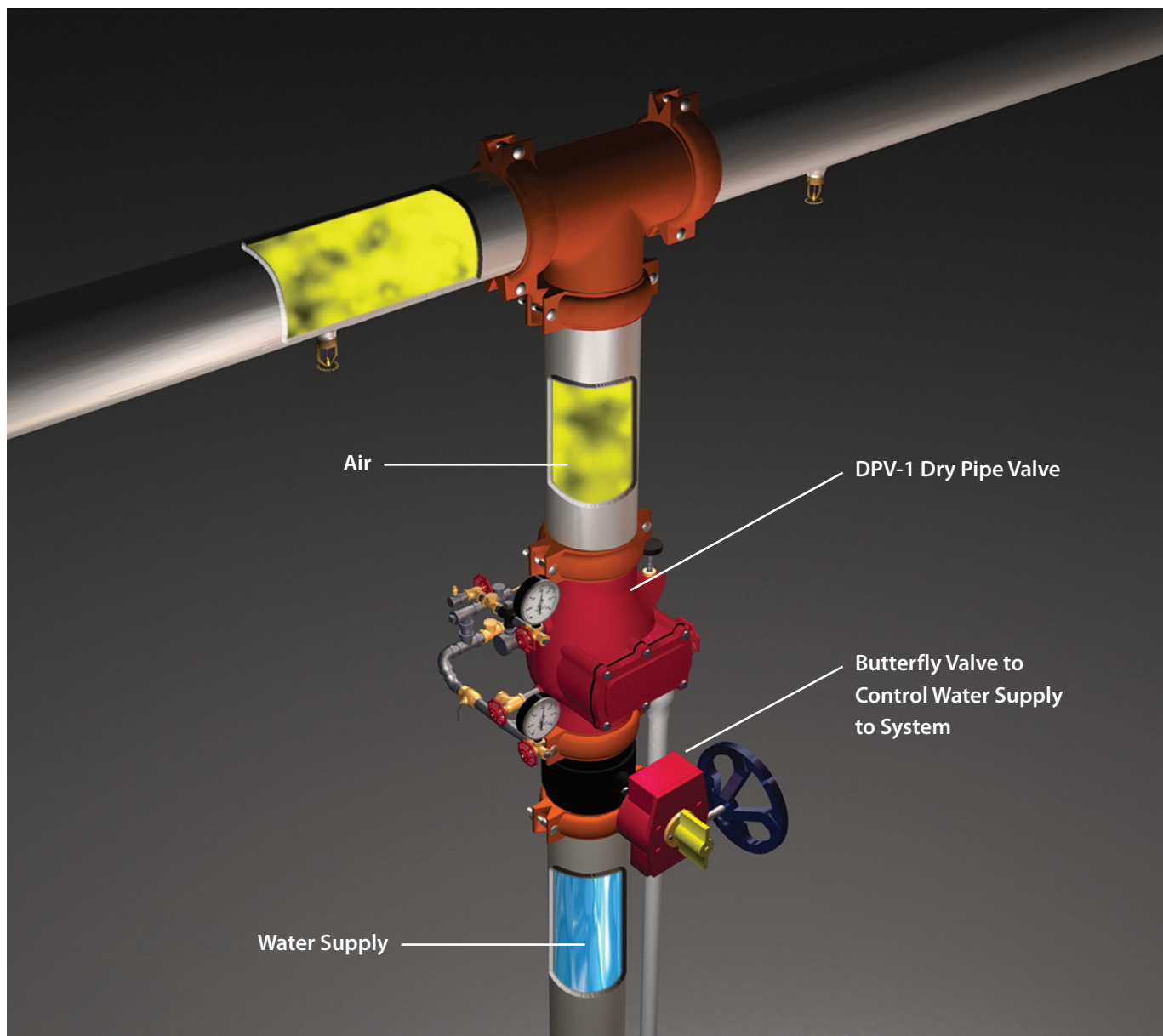
- **Unheated Warehouses**
- **Attic Spaces**
- **Parking Garages**
- **Loading Docks, & Other Areas Exposed To Freezing Temperatures**
- **Store Windows**

Accessory items, such as dry pipe valve accelerators that increase the speed of system operation, and pressure switches used to activate electric alarms, may be used to enhance the system.

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.

SYSTEM VALVES & DEVICES

DRY SYSTEM VALVES & DEVICES



DPV-1

Dry Pipe Valve – 2½" thru 6"

- Available sizes: 2½" (DN65), 3" (DN80), 4" (DN100) and 6" (DN150)
- External reset differential dry pipe valves
- Available as Flange x Flange, Flange x Groove, or Groove x Groove
(Flanged connections are available and drilled per ANSI, ISO, AS, and JIS specifications)
- Unique, offset clapper design minimizes valve size and weight
- Used to supply sprinkler installations in

TECH DATA

TFP1020

which sprinklers are subjected to freezing conditions (40°F / 4°C or less)

- Rated for use at a maximum service pressure of 250 psi (17,2 bar)
- Listings and Approvals: UL, C-UL, and FM NYC under MEA 172-02-E (4 and 6 inch)



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ACC-1

Dry Pipe Valve Accelerator

- Designed for use with Model DPV-1 dry pipe valves
- Speeds operation of the dry pipe valve upon loss of air pressure
- Automatically adjusts to small or slow changes in system pressure but trips upon a rapid and steady drop in pressure
- Designed to trip when system air pressure drops at a rate exceeding approximately 1 psi/minute (0.07 bar/min)
- Upon tripping, it transmits system air pressure to the intermediate chamber of the dry pipe valve, which neutralizes the differential pressure holding the valve closed and opens the waterway clapper

TECH DATA TFP1112

- Rated for use at a maximum water supply pressure of 250 psi (17,2 bar) and a maximum system air (or nitrogen) pressure of 70 psi (4,8 bar)
- Listings and Approvals: UL, ULC, FM, and LPCB



QRS

Electronic Accelerator

- Maximum working air pressure 70 psi (4,8 bar)
- Quick opening device intended to reduce the time for dry pipe valve operation following the operation of one or more automatic sprinklers
- Automatically adjusts to both small and slow changes in system pressure, but trips with a steady drop in pressure (as in the case of sprinkler operation)
- Can be used to retro-fit existing mechanical accelerators
- Fully assembled package includes switch, solenoid, control panel, and accelerator trim pipe and fittings
- Built-in low and high pressure alarm supervision

TECH DATA TFP1100

- Operation of the dry pipe valve within four seconds -independent of various combinations of system initial air pressures, system volumes, or sprinkler K Factors
- Proven electronic release technology as used for electrically operated deluge and preaction systems
- Battery back-up in the event of primary power failure
- Eliminates re-setting problems often incurred with traditional mechanical accelerators
- Listings and Approvals: UL, and FM



VIZOR

Electronic Dry Pipe Accelerator

- Direct mounting to the riser
- Installation consistent with the installation of mechanical devices
- Easy test-and-reset function, as compared to mechanical accelerators
- Operation of a dry pipe valve within four seconds — over a wide range of system volumes, system initial air pressures, and sprinkler K-factors
- Built-in low-pressure and high pressure alarm supervision

TECH DATA TFP1105

- Electronically self-supervising technology, similar to that used in typical alarm panels for alarm and detection systems
- Maximum water pressure 300 psi (20,7 bar)
- Battery back-up in the event of primary power failure
- Air pressure 10 psi (0,7 bar) to 65 psi (4,5 bar)
- Listings and Approvals: UL, ULC, & FM



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SYSTEM VALVES & DEVICES

DRY SYSTEM VALVES & DEVICES

RCP-1

Residential Control Panel

- Model RCP-1 Residential Control Panel is an integrated valve manifold, air pressure, and electronic control package for controlling the release of water into residential dry pipe sprinkler systems
- For use in one- and two- family dwellings and mobile homes per NFPA 13D when used with residential sprinklers that have been listed for use in residential dry pipe sprinkler systems
- Pre-wired assembly containing pre-programmed control panel, system performance gauges, and an enclosed compressor
- Supervised system valve system
- Pre-engineered riser design

TECH DATA TFP480

- 48-hour battery backup
- UL Listed for use in residential dry pipe sprinkler systems installed in one and two-family dwellings and mobile homes per NFPA 13D



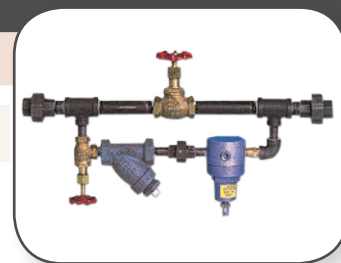
AMD-1

Air Maintenance Device, Pressure Reducing Type

- Field adjustable
- Used in systems where compressed air source is available
- Used in systems in which the air supply is at a higher pressure than is desired for a sprinkler system or dry pilot line system

TECH DATA TFP1221

- Listings and Approvals: UL, C-UL, & FM Approved & NYC Approved under MEA 206-02-E



AMD-2

Air Maintenance Device, Compressor (small w/o tank) Control Type

- Field adjustable
- Used in conjunction with a small, non-tank-mounted air compressor
- Monitors sprinkler system or dry pilot line detection for deluge system air pressure and automatically cycles the compressor to maintain system pressure within preset limits

TECH DATA TFP1231

- Listings and Approvals: UL, C-UL, & FM Approved & NYC Approved under MEA 206-02-E



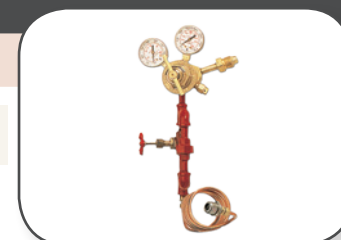
AMD-3

Nitrogen Maintenance Device, High Pressure (Cylinder) Reducing Type

- Field adjustable
- Used in conjunction with a cylinder of high pressure nitrogen to control the nitrogen pressure in a sprinkler system or a dry pilot line detection for deluge systems

TECH DATA TFP1241

- Listings and Approvals: UL, C-UL, & FM Approved & NYC Approved under MEA 206-02-E



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