Especially For Cold Storage and Unheated Warehouses
Introducing the **NEW**

The patent-pending vanQuish™ Fire Sprinkler System is the first of its kind for cold storage, outdoor and unheated warehouse facilities. In terms of performance, the vanQuish™ Fire Sprinkler System effectively addresses a fire with a volume of water with a “surround and drown” configuration to rapidly reduce the heat release rate. This fire protection approach minimizes damage to storage facilities and valuable goods.

**Why the vanQuish™ System is Different and Better**

- **Does not require expensive antifreeze**, which can leak and damage storage commodities.
- **Ceiling-only coverage** eliminates costly in-rack sprinklers and increases storage array flexibility.
- Provides fire protection for Class I, II, and III commodities.
- Provides the **lowest installation and maintenance costs**.
- Backed by the **industry’s best 10-year limited warranty**.

** Truly Innovative Fire Protection. True Bottom-Line Benefits.**

The vanQuish™ System is the total cold storage/outdoor warehouse fire protection solution that delivers advantages in the areas at the top of facilities managers’ wish lists: higher-level storage and added hazard configurations. Because the vanQuish™ System brings new benefits in both areas, this system provides true bottom-line benefits for your unheated storage facility. Now you’re ready to stock more commodity classifications, achieve higher roof and storage heights, gain more flexible stocking configurations and reduce installation costs.
Components and Technical Specifications

**Ultra K 17286°F Sprinklers (16.8K usg/psi)**
- For use in accordance with vanQuish™ System design criteria (TFP370) and applicable NFPA and FM specific application installation criteria
- Provide higher level of protection than standard spray sprinklers
- Offer an economical advantage by eliminating the need for in-rack sprinklers

**SprinkFDT-Q Software**
- Allows sprinkler designer to accurately predict time to trip the Pre-Action Valve and deliver water to remote area
- Allows systems over NFPA's 750 gallon volume restrictions to be installed with confidence in the performance

**DV-5 Pre-Action Valves**
- Diaphragm-type automatic control valves
- Available in 1½” through 8” valves
- Feature just one internal working part and external resetting feature for quick, easy maintenance
- Internal and external Rilsan® coated for corrosion resistance and use in harsh environments

**Tri-Seal Gaskets for Grooved Pipe Couplings**
- Designed specifically for cold environments to seal gap or gasket cavity in coupling at grooved pipe and fitting connections

**QRS Electronic Accelerator**
- Quick-opening device reduces operating time of Pre-Action Valve in double interlock, electric/electric preaction system
- Utilizes unique system air pressure monitoring device to continuously sample air pressure twice per second
- When air pressure is determined to have sustained drop exceeding rate of 0.1 psi per second (verified by three consecutive samplings), QRS signals the Releasing Panel energizing the Solenoid Valve on the DV-5

**Potter Electric Series PFC-4410-RC Releasing Panel**
- Designed with four releasing circuits
- Recommended component
- Added dry contacts for associated alarm and/or equipment shut down

**Model DV-5 Pre-Action Red-E Cabinet®**
- Houses control and Pre-Action Valves, riser check valve, valve trim, QRS and releasing panel
- Recommended for systems eight inches and smaller
- Custom manufactured and professionally pre-assembled to radically reduce installation time and cost

**General’s DAP Series Dry Air Pac™**
- Provides sprinkler system with moisture free air to -40°F Dew Point
- Removes oil vapor and other contaminants
- Prevents downstream of desiccant dust and regulates air pressure to sprinkler system
- Pre-assembled for ease of installation

**Component Approvals – UL, C-UL & FM**
For all enquiries please contact your regional sales engineer:

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**From the Leader in Innovative Fire Protection**

For over 125 years, Tyco Fire & Building Products has led the way in fire suppression systems. We produce over 30 million sprinklers each year, with systems installed in thousands of industrial, commercial, institutional and residential facilities worldwide. Over 3,000 skilled Tyco employees are dedicated to the design, manufacture and technical support of fire protection and building systems.