



# Quell Systems

Preaction & Dry Alternatives for Eliminating In-Rack Sprinklers



## Quell Systems

- Ceiling-only protection up to 55ft using the Ultra K34
- FM Approved with the Ultra K34
- UL Listed and FM Approved with the Ultra K17
- High system predictability
- Proper sprinkler activation sequencing
- Supported by 15 full-scale fire tests

## Quell Systems

The Quell System is the total cold storage fire protection solution for warehouses and distribution centers. It delivers advantages in the areas at the top of facilities managers' wish lists: higher performance and greater flexibility combined with lower costs. The result is better bottom-line performance for your unheated or cold storage facility. Now you can be ready to stock more commodity classifications, achieve higher roof and storage heights, gain more flexible stocking configurations and reduce installation and maintenance costs.

## Improves your business

The Tyco Quell System ceiling-only approach to cold storage protection can provide you the flexibility that you need to maximize your storage volume without the need to redesign your fire protection. In addition to flexibility, capture lowered operating costs compared to in-rack sprinklers on dry or preaction systems and anti-freeze-based alternatives.

Quell Systems help to avoid:

- Ice plugs that can compromise system performance
- Leaking anti-freeze damaging product and providing a safety hazard
- Accidental activation and discharge of in-rack sprinkler



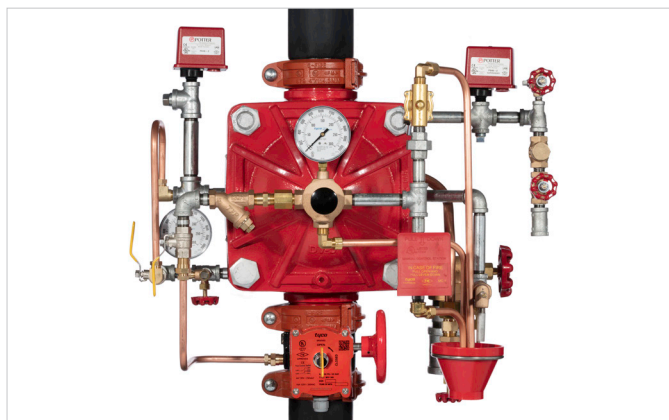
The power behind **your mission**





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#### Helping you keep safe

The Tyco Quell System uses a highly predictable technology that offers a unique surround and drown approach which provides dependable fire protection. Key details such as fire pump start-up on detection combined with a unique Tyco electronic accelerator means that you get the right pressure at the right time.

The surround and drown approach around the fire area is a result of specifying maximum and minimum water delivery times. This means that the right sprinklers can be open regardless of where the fire starts.



#### Proven Protection

The Quell System is based on extensive data that was gathered and evaluated from 15 full-scale fire tests over a range of commodity types, storage arrangements, ceiling and storage heights. Today, this methodology has been used in over 200 installations world-wide, demonstrating the benefits of this approach.

#### Quell Technology

The Quell Technology provides you with smart fire protection products that improves your business everyday while the predictable, surround and drown approach can help keep you safe when you need it. Authorized and licensed partners support each system installation.

Technical Data	
Commodities	Class I through Class III $\leq$ 50ft of storage $\leq$ 55ft building height. FM Approved, using the Ultra K34 sprinkler
	Class IV and Cartoned Group A Plastics $\leq$ 30ft of storage $\leq$ 34ft building height, using the using the UL Listed and FM Approved Ultra K17 sprinkler
Storage Arrangements	Single, double or multiple-row racks. Note: No open top containers or solid shelves
	Palletized; Solid piled
System riser and releasing panel	Tyco DV-5A Deluge Valve; Tyco Model DV-5A Double Interlock Electric/Electric Preaction Trim; Tyco Model CV-1FR Riser Check Valve; Tyco Model QRS Electronic Accelerator; Potter Electric Series PFC-4410-RC Releasing Panel
	Model DV-5A Preaction Red-E Cabinet
Validation of water delivery times	SprinkFDT Q™ fluid delivery time validation of minimum water and maximum delivery time

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For more information, please contact our team to be connected with a licensed installer. It's important to review our general terms and conditions of sale, for a complete description of all criteria, design parameters, installation instructions, care and maintenance guidelines, and other terms, including our limited warranty.

[www.tyco-fire.com](http://www.tyco-fire.com)

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