



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
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Product designation

Tyco Fire Products, Model TY-B: SIN TY2208, 10NS x 5.7K(metric), 57°/68°/79°/93°/141°/182°C (5 mm bulb), spr. pend., standard response sprinklers

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Tyco Fire Protection Products
Level 3, 95 Coventry Street, SOUTHBANK, VIC, AUSTRALIA, 3006

Registrant

Tyco Fire Protection Products
Level 3, 95 Coventry Street, SOUTHBANK, VIC, AUSTRALIA, 3006

Producer

Tyco Fire Protection Products
8902 North Interstate 27, LUBBOCK, TX, UNITED STATES, 79403

Conformance criteria and evaluation

The Tyco Fire Products, Model TY-B: SIN TY2208, 10NS x 5.7K(metric), 57°/68°/79°/93°/141°/182°C (5 mm bulb), spr. pend., standard response sprinklers have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Loss Prevention Council - Evaluation, surveillance and approval, 'LPC approval'.
2. Verband der Schadenverhütung - Evaluation and approval, 'Vds approval'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Fire sprinkler equipment, system design and installation should be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction. Due considerations include the occupancy fire loading, sprinkler location, coverage, response, hydraulic characteristics and other specified requirements relevant to the conformance and effectiveness of the equipment and installed system.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. The maximum working pressure is 1210 kPa.

Producer's description

The Tyco Fire Products, Model TY-B: SIN TY2208, 10NS x 5.7K(metric), 57°/68°/79°/93°/141°/182°C (5 mm bulb), spr. pend., standard response sprinklers of the frangible bulb type.

With the 5 mm bulb these sprinklers are rated as standard response.

These sprinklers produce a hemispherical water distribution pattern below the deflector.

The glass bulb contains a fluid which expands when exposed to heat. When the rated temperature is reached, the fluid expands sufficiently to shatter the glass bulb, allowing the sprinkler to activate and water to flow

Technical specification

The following details are a representative extract of the technical specification for the Tyco Fire Products, Model TY-B: SIN TY2208, 10NS x 5.7K(metric), 57°/68°/79°/93°/141°/182°C (5 mm bulb), spr. pend., standard response sprinklers and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

SIN	TY2208
Maximum working pressure	1210 kPa (175 psi)
Thread size	10NS (ISO 7/1-R3/8)
Nominal K-factor	5.7K(metric), l/min / kPa ^{0.5}
Nominal temperature ratings	57°/68°/79°/93°/141°/182°C
Finishes	Natural brass, chrome plated, white polyester
Physical characteristics	
Frame	Bronze
Button	Brass/copper
Sealing assembly	Beryllium nickel w/Teflon
Bulb	Glass (5 mm)
Compression screw	Bronze
Deflector	Copper
Reference technical data sheet	TFP670, July 2004