



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1005	12-Jan-1996	Number 13	Issue date 26-Apr-2019	30-Apr-2020

Page 1 of 2

Product designation

Tyco Fire Products, Model TY-B: SIN TY3431, 15NS x 8.06K(metric), 57°/68°/79°/93°/141°C (5 mm bulb), Horiz. Sidewall, SR 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 TY3431, 15NS x 8.06K(metric), 57°/68°/79°/93°/141°C (5 mm bulb), Horiz. Sidewall, SR sprinklers have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Underwriters Laboratories - Evaluation and listing, 'UL listing'.

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. The maximum rated service pressure is 1210 kPa (175psi).

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to

Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
afp - 1005	12-Jan-1996	Number 13	Issue date 26-Apr-2019	30-Apr-2020	

Producer's description

The Tyco Fire Products, Model TY-B: SIN TY3431, 15NS x 8.06K(metric), 57°/68°/79°/93°/141°C (5 mm bulb), Horiz. Sidewall, SR sprinklers are automatic sprinklers of the frangible bulb type. These devices are standard response, standard orifice side wall sprinklers. The sprinklers are designed for installation along a wall or the side of a beam and just below a smooth ceiling. Installed with their centre line of waterway horizontal, these sprinklers produce a quarter-spherical water discharge pattern that is predominantly directed downward and outward from the deflector. A portion of the spray is directed towards the backwall.

The recessed version of the Grinnell/Gem, Model A/Q71, SR Sprinklers are obtained by utilising the Model F700 Recessed Escutcheon. The F700 escutcheon provides 12.7 mm of recessed adjustment or up to 19.1 mm of adjustment from the flush sidewall position.

Technical specification

The following details are a representative extract of the technical specification for the Tyco Fire Products, Model TY-B: SIN TY3431, 15NS x 8.06K(metric), 57°/68°/79°/93°/141°C (5 mm bulb), Horiz. Sidewall, SR sprinklers and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Actuating element:	5 mm glass bulb
K Factor (metric):	8.1K(l/min,kPa)
Thread size:	15 mm
Temperature ratings:	57°C, 68°C, 79°C, 93°C, and 141°C
Maximum ceiling temperature:	38°C
Cover plate diameter:	73 mm

Supplementary information

Finishes:

Horizontal sidewall

Temperature rating	Sprinkler finish
57°C	Natural Brass, Chrome Plated, Polyester Coated
68°C	Natural Brass, Chrome Plated, Polyester Coated
79°C	Natural Brass, Chrome Plated, Polyester Coated
93°C	Natural Brass, Chrome Plated, Polyester Coated
141°C	Natural Brass, Chrome Plated, Polyester Coated

Recessed Horizontal Sidewall

Temperature rating	Sprinkler finish
57°C	Natural Brass, Chrome Plated, Polyester Coated
68°C	Natural Brass, Chrome Plated, Polyester Coated
79°C	Natural Brass, Chrome Plated, Polyester Coated
93°C	Natural Brass, Chrome Plated, Polyester Coated

Sprinkler wrench:

Model F850 Must be used for polyester coat finishes and for recessed sprinklers which are to be installed after completion of the wall.