



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 448</b>	28-Nov-1990	Number 13	Issue date 26-Apr-2019	30-Apr-2020

Page 1 of 2

## Product designation

**Tyco Fire Products, Model AV-1-300, 2070 kPa, 65mm(vertical only),  
100mm/150mm/200mm(vertical or horizontal), alarm valves**

(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  
2401 Northeast Loop 289 & Muni, LUBBOCK, TX, UNITED STATES, 79403

## Conformance criteria and evaluation

The Tyco Fire Products, Model AV-1-300, 2070 kPa, 65mm(vertical only), 100mm/150mm/200mm(vertical or horizontal), alarm valves have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Underwriters Laboratories - Evaluation and listing, 'UL listing'.
2. Underwriters Laboratories Canada - Evaluation, follow-up services and listing, 'cUL listing'.
3. Factory Mutual - Evaluation and approval, 'FM 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.

(Limitations/conditions of conformance continue)

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	
<b>afp - 448</b>	28-Nov-1990	Number 13	Issue date 26-Apr-2019	30-Apr-2020	Page 2 of 2

- 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.
- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. The 65 NS should only be mounted in the vertical position.
- iv. The working pressure range is 140 to 2070 kPa.

## Producer's description

The Tyco Fire Products, Model AV-1-300, 2070 kPa, 65mm(vertical only), 100mm/150mm/200mm(vertical or horizontal), alarm valves are divided seat ring, rubber faced clapper, waterflow alarm check valves that are intended for use in wet pipe (automatic sprinkler) fire protection systems.

The valves may be installed vertically or horizontally, and they are designed to automatically actuate electric and/or hydraulic alarms when there is a steady flow of water into the system that is equivalent to the discharge rate of one or more sprinklers.

## Technical specification

The following details are a representative extract of the technical specification for the Tyco Fire Products, Model AV-1-300, 2070 kPa, 65mm(vertical only), 100mm/150mm/200mm(vertical or horizontal), alarm valves and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Working pressure range	140 to 2070 kPa (20 to 175 psi)
Physical characteristics	
Body	Ductile iron
Handhole cover	Ductile or cast iron
Seat ring	Bronze
Clapper	
NS 65 mm	Stainless steel
Larger valve sizes	Cast or ductile iron
Clapper facing	EPDM
Flanged connections	Available drilled per ANSI, ISO, AS, and JIS specifications
Threaded port connections	available NPT threaded or threaded per ISO 7/1

End connection (Inlet x Outlet)	Nominal valve size (mm)			
	65	100	150	200
Groove x Groove	Available	Available	Available	Available
Flange x Groove	Available	Available	Available	Available
Flange x Flange	Not available	Available	Available	Available

Reference technical data sheet                      TFP910, March 2006

## Supplementary information

The Tyco Fire Products, Model AV-1-300, 2070 kPa, 65mm(vertical only), 100mm/150mm/200mm(vertical or horizontal), alarm valves are available with different trim sets; refer to relevant technical data.