



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 501	2-Apr-1991	Number 13	Issue date 26-Apr-2019	30-Apr-2020

Page 1 of 2

Product designation

Tyco Fire Products, Model DPV-1, 1720 kPa, external resetting, dry pipe 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 DPV-1, 1720 kPa, external resetting, dry pipe 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.

- 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)

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	
afp - 501	2-Apr-1991	Number 13	Issue date 26-Apr-2019	30-Apr-2020	Page 2 of 2

- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. These dry pipe valves are for vertical installations (flow going up).
- iv. The maximum working pressure is 1720 kPa.

Producer's description

The Tyco Fire Products, Model DPV-1, 1720 kPa, external resetting, dry pipe valves are used to automatically control the flow of water into dry pipe fire protection sprinkler systems upon operation of one or more automatic sprinklers and provide for actuation of system fire alarms.

The features of this equipment include the following:

- External reset.
- 1720 kPa (250 psi) pressure rating.
- Unique offset single clapper design enabling a simple compact valve to minimize installation labour.
- Ductile iron construction to ensure a lightweight valve to minimize shipping cost.
- A variety of inlet and outlet connections.
- Compact, semi-preassembled or fully assembled, and easy to operate valve trim.
- Simple reset procedure through the elimination of priming water.

Dry pipe sprinkler systems are used in unheated warehouses, parking garages, store windows, attic spaces, loading docks, and other areas exposed to freezing temperatures, where water filled pipe cannot be utilized. When set for service, the dry pipe sprinkler system is pressurized with air (or nitrogen). The loss of pressure through an operated automatic sprinkler in response to heat from a fire permits the dry pipe valve to open and allow a flow of water into the sprinkler system piping.

Technical specification

The following details are a representative extract of the technical specification for the Tyco Fire Products, Model DPV-1, 1720 kPa, external resetting, dry pipe valves and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Maximum working pressure	1720 kPa (250 psi)
Physical characteristics	
Body	Ductile iron
Handhole cover	Ductile iron
Handhole cover gasket	Neoprene,
Clapper facing	EPDM
Air/water seat ring	Brass
Clapper	Bronze or aluminium bronze
Clapper retaining plate	Bronze
Latch	Bronze
Hinge pin	Aluminium bronze
Fasteners for the handhole cover	Carbon steel
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	80	100	150
Flange x Flange	Not available	Not available	Available	Available
Flange x Groove	Not available	Not available	Available	Available
Groove x Groove	Available	Available	Available	Available

Reference technical data sheet TFP1020, August 2007