



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3145	28-Apr-2017	Number 8	Issue date 14-Apr-2025	30-Apr-2026

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Product designation

Fire Industry Supplies, BVG-001 Series, roll grooved, gear operated type butterfly valves
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Fire Industry Supplies
149 Newlands Road, COBURG NORTH, VIC, AUSTRALIA, 3058

Registrant

Fire Industry Supplies
149 Newlands Road, COBURG NORTH, VIC, AUSTRALIA, 3058

Producer

Ning Jin APC Industries Co. Ltd
No. 3 Taishan Road, NING JIN, SHANDONG, CHINA, 253400

Conformance criteria and evaluation

The Fire Industry Supplies, BVG-001 Series, roll grooved, gear operated type butterfly valves has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Approval Standard FM Class Number 1112, 'Approval Standard for Butterfly Valves for Fire-Protection Service'.
2. Factory Mutual - Evaluation and approval, 'FM approval'.
3. Underwriters Laboratories Standard UL 1091, 'Standard for Butterfly Valves for Fire Protection Service'.
4. Underwriters Laboratories - Evaluation and listing, 'UL listing'.
5. WaterMark Technical Specification WMTS-012:2018, 'In-line valves for use in plumbing water supply systems - Miscellaneous types metallic and non-metallic'.

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. This certification does not include the evaluation and verification of any switches including the temper switch to any criteria.

(Limitations/conditions of conformance continue)

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



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- ii. Fire sprinkler and hydrant 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/hydrant location, coverage, response, hydraulic characteristics and other specified requirements relevant to the conformance and effectiveness of the equipment and installed system.
- iii. This certification is only for the grooved butterfly valves and the variants listed below.
- iv. The valves are for above ground installations only.

Technical specification

The following details are a representative extract of the technical specification for the Fire Industry Supplies, BVG-001 Series, roll grooved, gear operated type butterfly valves and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Model	Valve Size (mm)	End configuration	Rated working pressure (kPa)
BVG-001-065	65	Groove	2068
BVG-001-080	80	Groove	2068
BVG-001-100	100	Groove	2068
BVG-001-150	150	Groove	2068
BVG-001-200	200	Groove	2068

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Approval ID	3044634	Certificate of Compliance Model WD-371X and GD-381 X 2-1/2, 3, 4, 5, 6 inch NPS Prepared for: Ninj Industries Co. Ltd. FM Approval Class: 1112 Approval granted: May 19, 2015 (2.5-6-inches-FM-Butterfly-Valve-v3.pdf)	30-Aug-2024	FM Approvals®, US
	3054341	Certificate of Compliance Model WD-371X and GD-381 X 8 inch NPS Prepared for: Ninj Industries Co. Ltd. FM Approval Class: 1112 Approval granted: May 19, 2015 (8-inches-FM-Butterfly-valve-v3.pdf)	30-Aug-2024	
Certificate no.	20170801-EX163838	Certificate of Compliance Report Reference: EX16383-20140218 Issue Date: 2017-August-01 Issued to: NINJ INDUSTRIES CO LTD WD-371X, GD-381X, WD-371Y, GD-381Y UL 1091 (ULCertificate-Butterfly-valve-V3.pdf)	30-Aug-2024	UL Solutions, US
	WM 74714	ApprovalMark International Paamco Pty Ltd T/A Fire Industry Supplies WaterMark Certificate of Conformity – WMCS 2016 WMTS-012:2018 Originally Certified: 10 th October 2016 Expires: 10 th October 2025 (WM 74714 Certificate & Schedule.pdf)	1-Apr-2025	Approval Mark International Pty Ltd, AU
Extracts	w3_UL_EX16383_WD-381X_v_20250114.pdf	UL Product iQ® Model GD-381X File Number: EX16383 Company: Ningjin APC Industries Incorporated Company (w3_UL_EX16383_WD-381X_v_20250114.pdf)	14-Apr-25	UL Product iQ®, US

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	w3_FM_WD-381X_v_20250114.pdf	FM Approvals Approval Guide Models WD-371X, WD-371Y, GD-381X, HGD-381X-175, HFGD-381X, HFGD-381X-175.... Approval Standard: FM1112 Company: Nignjin APC Industries Incorporated Company (w3_FM_WD-381X_v_20250114.pdf)	14-Apr-25	FM Approvals®, US
	w3_WM_074714_BVG-001_v_20250414.pdf	WM Certificate Certificate: 074714 Certifier: ApprovalMark International Pty Ltd Specification: WMTS-012:2018 License Holder: Fire Industry Supplies (w3_WM_074714_BVG-001_v_20250414.pdf)	14-Apr-25	WaterMark, ABCB, AU
Catalogue	FIS-products-Catalogue-pages-007-BVG-MARIAM.pdf	300PSI – Grooved Type Butterfly Valve FIS BVG-001 (FIS-products-Catalogue-pages-007-BVG-MARIAM.pdf)	02-Dec-24	Fire Industry Supplies, AU