



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3783	28-Mar-2023	Number 1	Issue date 28-Mar-2023	30-Apr-2024

Product designation

Gvflex, 27B series, braided flexible sprinkler dropper and bracket systems

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

Agent/distributor

Firequip Pty Ltd
2 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Registrant

Firequip Pty Ltd
2 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Producer

GV Fire Ltd
28 Salme Street, Tallinn, ESTONIA, 10413

Conformance criteria and evaluation

The Gvflex, 27B series, braided flexible sprinkler dropper and bracket systems has 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 Standard UL 2443, 'Standard for Safety for Flexible Sprinkler Hose with Fittings for Fire Protection Service'.
3. Factory Mutual - Evaluation and approval, 'FM approval'.
4. Approval Standard FM Class Number 1637, 'Approval Standard for Flexible Sprinkler Hose With Threaded End Fittings'.

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.

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

Kaj Loh
Executive Officer – ActivFire Scheme



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Technical specification

The following details are a representative extract of the technical specification for the Gvflex, 27B series, braided flexible sprinkler dropper and bracket systems 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	Length (mm)	Minimum bend radius	Max number of 90° bends	Rated working pressure (kPa)	Max ambient temperature (°C)	Nom Inlet (BSPT) by Outlet size (in)	Equivalent length of 25 mm (1 in) Schedule 40 pipe, m	K-factor (gpm/psi ^{1/2})	Thread	Flexibility	Type
GVFLEX-27B-700	700	300	1	1375	65	1 × 1/2	8.3	5.6	NPT or BSPT	Limited	Braided
						1 × 3/4	8.1	8.0	NPT or BSPT	Limited	Braided
GVFLEX-27B-1000	1000	300	1	1375	65	1 × 1/2	12.3	5.6	NPT or BSPT	Limited	Braided
						1 × 3/4	12.0	8.0	NPT or BSPT	Limited	Braided
GVFLEX-27B-1200	1200	300	3	1375	65	1 × 1/2	15.0	5.6	NPT or BSPT	Limited	Braided
						1 × 3/4	14.6	8.0	NPT or BSPT	Limited	Braided
GVFLEX-27B-1500	1500	300	3	1375	65	1 × 1/2	19.1	5.6	NPT or BSPT	Limited	Braided
						1 × 3/4	18.6	8.0	NPT or BSPT	Limited	Braided
GVFLEX-27B-1800	1800	300	3	1375	65	1 × 1/2	23.1	5.6	NPT or BSPT	Limited	Braided
						1 × 3/4	22.5	8.0	NPT or BSPT	Limited	Braided

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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 <small>(or date validated)</small>	Source
Ident. type	Ident.			
Certificate No.	PR450520	Certificate of compliance Flexible Sprinkler Hose With Threaded End Fittings For use in Commercial Suspended Ceilings Models GVFLEX-27B-700, GVFLEX-27B-1000, GVFLEX-27B-1200, GVFLEX-27B-1500, GVFLEX-27B-1800 Prepared for: GV FIRE LTD. Approval Standard: FM 1637 <small>(PR450520coc180601.pdf)</small>	1-Jun-2018	FM Approvals®, US
Extract	fm_w3_GVFire_GVFlex_20230328.pdf	Sprinkler System Components Flexible Sprinkler Hose with Fittings Flexible Sprinkler Hose with Fittings, Commercial Suspended Ceilings Models GVFLEX-27B-700, GVFLEX-27B-1000, GVFLEX-27B-1200, GVFLEX-27B-1500, GVFLEX-27B-1800 <small>(fm_w3_GVFire_GVFlex_20230328.pdf)</small>	28-Mar-2023	
Certificate No.	2018-07-19-EX27815	Certificate of compliance Certificate Number: 2018-07-19-EX27815 Report Reference: EX27815 Issue Date: 2018-July-19 Issued to: GV Fire Ltd. Standard(s) for Safety: ANSI/UL 2443 – Flexible Sprinkler Hose with fittings for Fire Protection Service <small>(EX27815_1.pdf)</small>	19-Jul-2018	UL LLC, US
Extract	UL_w3_VENF.EX27815_20230328.pdf	UL Product iQ® VENF.EX27815 – Flexible Sprinkler Hose with Fittings Flexible Sprinkler Hose with Fittings GV FIRE LTD EX27815 <small>(UL_w3_VENF.EX27815_20230328.pdf)</small>	28-Mar-2023	UL Product IQ, US
Brochure	GVFLEX Sprinkler Flexible Hose..pdf	GVFire Fire Protection Products GVFlex Flexible Sprinkler Hose with Fittings Rev:0 Date: Jul 02, 2018 <small>(GVFLEX Sprinkler Flexible Hose..pdf)</small>	22-Jul-2018	GV Fire, EE