



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3139	24-Mar-2017	Number 2	Issue date 26-Apr-2019	30-Apr-2020

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Product designation

SY FLEX, Model SYB27, braided, flexible sprinkler hose

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

Agent/distributor

Viking Fire Protection Supplies Pty Ltd
95 – 99 Hardys Road, UNDERDALE, SA, AUSTRALIA, 5032

Registrant

Viking Fire Protection Supplies Pty Ltd
95 – 99 Hardys Road, UNDERDALE, SA, AUSTRALIA, 5032

Producer

SY FLEX Co.
1551-12 Hagwoon-Ri, Yanfchon-Myeon, GIMPO CITY, KYOUNGGI-DO, KOREA, 415-843

Conformance criteria and evaluation

The SY FLEX, Model SYB27, braided, flexible sprinkler hose has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Approval Standard FM Class Number 1637, 'Approval Standard for Flexible Sprinkler Hose With Threaded End Fittings'.
2. 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.

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

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Technical specification

The following details are a representative extract of the technical specification for the SY FLEX, Model SYB27, braided, flexible sprinkler hose 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	NPT	k-Factor	Minimum bend radius	Number of bends	Rated working pressure	Hose assembly length	Equivalent length of 25 mm (1 in). Schedule 40 pipe
SYB27	15 mm (½)	8.0 l/min/kPa ^{0.5} (5.6 g/m/psi ^{0.5})	203 mm (8")	1	1205 kPa (175 psi)	610 mm (24")	29.4 m (8.9 ft)
	15 mm (½)	8.0 l/min/kPa ^{0.5} (5.6 g/m/psi ^{0.5})	203 mm (8")	1	1205 kPa (175 psi)	790 mm (31 ")	28.4 m (8.6 ft)
	15 mm (½)	8.0 l/min/kPa ^{0.5} (5.6 g/m/psi ^{0.5})	203 mm (8")	1	1205 kPa (175 psi)	915 mm (36")	44.7 m (13.6 ft)
	15 mm (½)	8.0 l/min/kPa ^{0.5} (5.6 g/m/psi ^{0.5})	203 mm (8")	3	1205 kPa (175 psi)	1220 mm (48")	62.0 m (18.9 ft)
	15 mm (½)	8.0 l/min/kPa ^{0.5} (5.6 g/m/psi ^{0.5})	203 mm (8")	4	1205 kPa (175 psi)	1525 mm (60")	84.6 m (25.8 ft)
	15 mm (½)	8.0 l/min/kPa ^{0.5} (5.6 g/m/psi ^{0.5})	203 mm (8")	4	1205 kPa (175 psi)	1830 mm (72")	67.5 m (20.6 ft)
	20 mm (¾)	11.53 l/min/kPa ^{0.5} (8 g/m/psi ^{0.5})	203 mm (8")	1	1205 kPa (175 psi)	610 mm (24")	21.7 m (6.6 ft)
	20 mm (¾)	11.53 l/min/kPa ^{0.5} (8 g/m/psi ^{0.5})	203 mm (8")	1	1205 kPa (175 psi)	790 mm (31")	21.1 m (6.4 ft)
	20 mm (¾)	11.53 l/min/kPa ^{0.5} (8 g/m/psi ^{0.5})	203 mm (8")	1	1205 kPa (175 psi)	915 mm (36")	37.0 m (11.3 ft)
	20 mm (¾)	11.53 l/min/kPa ^{0.5} (8 g/m/psi ^{0.5})	203 mm (8")	3	1205 kPa (175 psi)	1220 mm (48")	58.6 m (17.8 ft)
	20 mm (¾)	11.53 l/min/kPa ^{0.5} (8 g/m/psi ^{0.5})	203 mm (8")	4	1205 kPa (175 psi)	1525 mm (60")	76.8 m (23.4 ft)
	20 mm (¾)	11.53 l/min/kPa ^{0.5} (8 g/m/psi ^{0.5})	203 mm (8")	4	1205 kPa (175 psi)	1830 mm (72")	59.9 m (18.3 ft)