

Certificate of Product Approval

Certificate Number: 566i

Issue: 02

Rapidrop Global Limited

Rutland Business Park
Newark Road
Peterborough
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is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

Rapidrop RD-SMB Flexible Sprinkler Connectors

(Refer to attached appendix for details)

Standards

LPS 1261: Issue 03 draft

Requirements for Testing Flexible Hoses for Sprinkler Systems

This certificate and appendix is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

RE Brown

Signed for BRE Global Ltd.

Robert Brown

Verifier

11 June 2024

Date of Issue

2 July 2018

Date of First Issue



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Appendix to Certificate No: 566i Rapidrop Global Limited

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Rapidrop RD-SMB (Braided) Flexible Sprinkler Connectors to LPS 1261: Issue 03 draft

Product Name	Length (mm)	Nominal Size/Connection Supply	Nominal Size/Connection Outlet	Maximum Working Pressure (bar)	LPCB Ref. No.
RD-SMB-01	780	1" BSPT / NPT 1¼" BSPT / NPT External thread	½" BSPT / NPT ¾" BSPT / NPT Internal thread	16	566i/01
RD-SMB-02	1000	1" BSPT / NPT 1¼" BSPT / NPT External thread	½" BSPT / NPT ¾" BSPT / NPT Internal thread		
RD-SMB-03	1220	1" BSPT / NPT 1¼" BSPT / NPT External thread	½" BSPT / NPT ¾" BSPT / NPT Internal thread		
RD-SMB-04	1540	1" BSPT / NPT 1¼" BSPT / NPT External thread	½" BSPT / NPT ¾" BSPT / NPT Internal thread		
RD-SMB-05	1830	1" BSPT / NPT 1¼" BSPT / NPT External thread	½" BSPT / NPT ¾" BSPT / NPT Internal thread		

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Notes for RD-SMB (Braided) Flexible Sprinkler Connectors:

These flexible sprinkler connectors may be used in applications where little or no differential movement between the two ends is expected after installation (e.g. supply to single sprinklers in suspended ceilings).

1. Rapidrop RD-SMB (braided) flexible sprinkler connectors are approved for use in the following applications:

Assembly length (mm)	Pre-calculated		Fully hydraulically calculated
	Town's mains	Pumped	
780*	Yes	Yes	Yes
Up to 1830**	Yes	Yes	Yes

Pipework supplying Rapidrop RD-SMB flexible sprinkler connector assemblies in pre-calculated systems shall be sized as distribution mains. The above applications apply with:

- * up to 1 x 90° bend, with a straight or 90° sprinkler reducer
- ** up to 3 x 90° bends, with a straight or 90° sprinkler reducer

2. In suspended ceilings Rapidrop RD-SMB flexible sprinkler connectors must be installed in accordance with the Rapidrop installation instructions, Datasheet 3.11, issue 1.
3. In suspended ceilings the outlet reducer must be secured to the ceiling support system with brackets supplied. For other applications the installer must supply brackets to ensure the sprinkler is secure.

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