

Certificate of Product Approval

Certificate Number: 566i

Issue: 01

Rapidrop Global Limited

Rutland Business Park
Newark Road
Peterborough
PE1 5WA



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 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.

S.A. Colwell

Signed for BRE Global Ltd.

Sarah Colwell
Verifier

2 July 2018
Date of 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	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/01
RD-SMB-02	1000	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/01
RD-SMB-03	1220	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/01
RD-SMB-04	1540	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/01
RD-SMB-05	1830	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/01

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Rapidrop RD-SM (Unbraided) 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-SM-01	780	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/02
RD-SM-02	1000	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/02
RD-SM-03	1220	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/02
RD-SM-04	1540	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/02
RD-SM-05	1830	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/02
RD-SM-06	2500	R1 (1" BSPT), 1" NPT, R1¼ (1¼" BSPT), 1¼" NPT External thread	Rc½" BSPT, ½" NPT, Rc¾" BSPT, ¾" NPT Internal thread	16	566i/02

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Notes for RD-SMB (Braided) & RD-SM (Unbraided) 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

Rapidrop RD-SM (unbraided) 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 1540***	No	Yes	Yes
Up to 2500***	No	No	Yes

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

- * up to 1 x 90° bends, with a straight or 90° elbow reducer
- ** up to 2 x 90° bends, with a straight or 90° elbow reducer
- *** up to 3 x 90° bends, with a straight or 90° elbow 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 F and Rapidrop RD-SM flexible sprinkler connectors must be installed in accordance with the Rapidrop installation instructions, Datasheet 3.10, issue A.
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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