

Certificate of Product Approval

Certificate Number: 111b

Issue: 11

SPP Pumps Limited

Crucible Close
Mushet Industrial Park
Coleford
Gloucestershire
GL16 8PS
United Kingdom



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

Fire Pumps

(Refer to attached appendix for details)

Standards

LPS 1131: Issue 1.2

Requirements and Testing Methods for Pumps for Automatic Sprinkler Installation Pump Sets

This certificate and appendix is maintained and held in force through regular surveillance activities

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Fire Pumps

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
TD20D Thru-stream (2),(5)	Horizontal split case	250/200	340	2950	13600	10.8	15.7 ⁽¹⁾	111b/01
TD20D Thru-stream (2),(5)			275*	2950	12000	7.6	10.3 ⁽¹⁾	111b/01
TD20D Thru-stream (2),(5)			273*	2950	11600	7.4	10	111b/01
TD20D Thru-stream (2),(5)			245*	2950	8500	6	8	111b/01
TD20D Thru-stream (2),(5)			340	2950*	13600	10.8	15.7 ⁽¹⁾	111b/01
TD20D Thru-stream (2),(5)			340	2400*	13500	6	10.3 ⁽¹⁾	111b/01
TD20D Thru-stream (2),(5)			340	2200*	13300	4.4	8.8	111b/01
TD20E Thru-stream (2),(5)	Horizontal split case	250/200	290*	2950	13300	6.7	11.3 ⁽¹⁾	111b/02
TD20E Thru-stream (2),(5)			273*	2950	13300	5.7	10	111b/02
TD20E Thru-stream (2),(5)			240*	2950	10800	4.9	7.7	111b/02
TD20E Thru-stream (2),(5)			290	2950*	13300	6.7	11.3 ⁽¹⁾	111b/02

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
TD20E Thru-stream (2),(5)			290	2800*	13800	5.3	10.2	111b/02
TD20E Thru-stream (2),(5)			290	2200*	12700	2	6.3	111b/02
TD15F Thru-stream (3),(5)	Horizontal split case	200/150	325*	2950	9600	7.9	13.3 ⁽¹⁾	111b/03
TD15F Thru-stream (3),(5)			282*	2950	9600	5.4	10	111b/03
TD15F Thru-stream (3),(5)			275*	2950	9600	5.1	9.5	111b/03
TD15F Thru-stream (3),(5)			245*	2950	9600	3.9	7.5	111b/03
TD15F Thru-stream (3),(5)			325	2950*	9600	7.9	13.3 ⁽¹⁾	111b/03
TD15F Thru-stream (3),(5)			325	2550*	9600	5	10	111b/03
TD15F Thru-stream (3),(5)			325	2200*	9600	2.7	7.3	111b/03
TD15A Thru-stream (3),(5)	Horizontal split case	200/150	325*	2950	7300	12.8	14.4 ⁽¹⁾	111b/04
TD15A Thru-stream (3),(5)			270*	2950	7300	8.5	9.9	111b/04
TD15A Thru-stream (3),(5)			240*	2950	7300	5.9	7.7	111b/04

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
TD15A Thru-stream (3),(5)			270	2950*	7300	8.5	9.8	111b/04
TD15A Thru-stream (3),(5)			270	2400*	8650	4.3	6.4	111b/04
TD15A Thru-stream (3),(5)			325	2950*	7300	12.8	14.4 ⁽¹⁾	111b/04
TD15A Thru-stream (3),(5)			325	2450*	8200	7.7	10.2	111b/04
TD15A Thru-stream (3),(5)			325	2200*	8700	6	8.2	111b/04
KP12X Unistream (5)	Direct coupled end suction	150/125	264*	2950	6800	8.5	10.4 ⁽¹⁾	111b/05
KP12X Unistream (5)			200*	2950	6650	2.4	5.4	111b/05
KP12X Unistream (5)			264	2950*	6800	8.5	10.4 ⁽¹⁾	111b/05
KP12X Unistream (5)			264	2200*	5700	4.7	5.8	111b/05
KP10X Unistream (5)	Direct coupled end suction	125/100	264*	2950	5500	7.6	9.8	111b/06
KP10X Unistream (5)			195*	2950	4200	3.6	5.3	111b/06
KP10X Unistream (5)			264	2950*	5500	7.6	9.8	111b/06

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
KP10X Unistream (5)			264	2200*	5500	3	5.7	111b/06
KP15Y Unistream (5)	Direct coupled end suction	200/150	272*	2950	7800	7.8	9.8	111b/07
KP15Y Unistream (5)			239*	2950	7600	5.2	7.7	111b/07
KP15Y Unistream (5)			272	2950*	7800	7.8	9.8	111b/07
KP15Y Unistream (5)			272	2200*	8200	3.2	5.6	111b/07
KP15Y Unistream (5)			310*	2600	8600	8.6	10.5	111b/07
KP15Y Unistream (5)			239*	2600	7800	3.2	5.9	111b/07
KP15Y Unistream (5)			310	2600*	8600	8.6	10.5	111b/07
KP15Y Unistream (5)			310	2000*	7350	4.7	6.2	111b/07
KP08Y Unistream (4),(5)	Direct coupled end suction	100/80	329*	2950	3600	13.2	15.2 ⁽¹⁾	111b/08
KP08Y Unistream (4),(5)			270*	2950	3500	7	10	111b/08
KP08Y Unistream (4),(5)			255*	2950	3450	5.6	8.8	111b/08

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
KP08Y Unistream (4),(5)			329	2950*	3600	13.2	15.2 ⁽¹⁾	111b/08
KP08Y Unistream (4),(5)			329	2400*	3650	7	10	111b/08
KP08Y Unistream (4),(5)			329	2200*	3650	5	8.3	111b/08
KP08V Unistream (5)	Direct coupled end suction	100/80	214	2920	2700	2.4	5.6	111b/09
KP08V Unistream (5)			165	2920	2340	1.6	3.3	111b/09
KP06C Unistream (5)	Direct coupled end suction	80/65	174	2900	2590	2.3	4.3	111b/10
KP06C Unistream (5)			125	2900	1790	0.6	2	111b/10
KP05D Unistream (5)	Direct coupled end suction	65/50	214	2900	1380	3.3	6.3	111b/11
KP05D Unistream (5)			165	2900	1090	1.6	3.7	111b/11
KP06D Unistream (5)	Direct coupled end suction	80/65	214*	2950	2580	5	6.6	111b/12
KP06D Unistream (5)			165*	2950	2250	2.3	3.8	111b/12
KP06D Unistream (5)			214	2950*	2580	5	6.6	111b/12

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
KP06D Unistream (5)			214*	2200*	2550	1.7	3.6	111b/12
KP08D Unistream (5)	Direct coupled end suction	100/80	214*	2950	3400	4.8	6.5	111b/13
KP08D Unistream (5)			165*	2950	2820	2.4	3.8	111b/13
KP08D Unistream (5)			214	2950*	3400	4.8	6.5	111b/13
KP08D Unistream (5)			214	2200*	3300	1.8	3.7	111b/13
KM10E Eurostream (5)	Close coupled end suction	125/100	264	2950	5500	7.6	9.8	111b/14
KM10E Eurostream (5)			195	2950	4200	3.6	5.3	111b/14
KM08V Eurostream (5)	Close coupled end suction	100/80	214	2920	2700	2.4	5.6	111b/15
KM08V Eurostream (5)			165	2920	2340	1.6	3.3	111b/15
KM06C Eurostream (5)	Close coupled end suction	80/65	174	2900	2590	2.3	4.3	111b/16
KM06C Eurostream (5)			125	2900	1790	0.6	2	111b/16

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
KM05D Eurostream (5)	Close coupled end suction	65/50	214	2900	1380	3.3	6.3	111b/17
KM05D Eurostream (5)			165	2900	1090	1.6	3.7	111b/17
KM06D Eurostream (5)	Close coupled end suction	80/65	214	2950	2580	5	6.6	111b/18
KM06D Eurostream (5)			165	2950	2250	2.3	3.8	111b/18
KM08D Eurostream (5)	Close coupled end suction	100/80	214	2950	3400	4.8	6.5	111b/19
KM08D Eurostream (5)			165	2950	2820	2.4	3.8	111b/19
AV03N Unistream (5)	Close coupled end suction	100/80	174	2900	2540	1.3	3.8	111b/20
AV03N Unistream (5)			135	2900	1840	1	2.3	111b/20
AV03P Eurostream (5)	Close coupled end suction	100/80	174	2900	2540	1.3	3.8	111b/21
AV03P Eurostream (5)			135	2900	1840	1	2.3	111b/21
KP10Y Unistream (5)	Direct coupled end suction	150/100	264*	2950	7680	5.2	9.7	111b/23
KP10Y Unistream (5)			210*	2950	5100	4.2	6	111b/23

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
KP10Y Unistream (5)			264	2950*	7680	5.2	9.7	111b/23
KP10Y Unistream (5)			264	2200*	6480	2	5.4	111b/23
KM08E Eurostream (5)	Close coupled end suction	100/80	264*	2950	2800	9.5	10	111b/24
KM08E Eurostream (5)			205*	2950	2800	4.2	5.9	111b/24
KP08E Unistream (5)	Direct coupled end suction	100/80	264*	2950	2800	9.5	10	111b/25
KP08E Unistream (5)			205*	2950	2800	4.2	5.9	111b/25
KP08E Unistream (5)			264*	2600	3150	6.6	7.8	111b/25
KP08E Unistream (5)			205*	2600	2750	2.8	4.6	111b/25
KP08E Unistream (5)			264	2950*	2800	9.5	10	111b/25
KP08E Unistream (5)			264	2200*	3200	3.8	5.5	111b/25
KP12Z Unistream (5),(6)	Direct coupled end suction	150/125	329*	2600	6500	10.6	12.1	111b/26
KP12Z Unistream (5),(6)			255*	2600	6000	5	6.9	111b/26

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
KP12Z Unistream (5),(6)			329	2600*	6500	10.6	12.1	111b/26
KP12Z Unistream (5),(6)			329	2000*	6350	5.4	7.1	111b/26
KP15Y Unistream (5)	Direct coupled end suction	200/150	272*	2950	7800	7.8	9.8	111b/27
KP15Y Unistream (5)			239*	2950	7600	5.2	7.7	111b/27
KP15Y Unistream (5)			272	2950*	7800	7.8	9.8	111b/27
KP15Y Unistream (5)			272	2200*	8200	3.2	5.6	111b/27
KP15Y Unistream (5)			310*	2600	8600	8.6	10.5	111b/27
KP15Y Unistream (5)			239*	2600	7800	3.2	5.9	111b/27
KP15Y Unistream (5)			310	2600*	8600	8.6	10.5	111b/27
KP15Y Unistream (5)			310	2000*	7350	4.7	6.2	111b/27
TF20A Thru-stream (6)	Horizontal split case	250/200	480	1760	13170 at 5.0m	10.8	12.0	111b/29
TF20A Thru-stream (6)			480	1760	13540 at 5.38m	10.7	12.0	111b/29

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Product Name	Type	Suction Inlet Diameter / Discharge Outlet Diameter (mm)	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
TF20A Thru-stream (6)			370	1760	12540 at 5.0m	5.7	7.3	111b/29
TF20A Thru-stream (6)			370	1760	12900 at 5.38m	5.6	7.3	111b/29

Notes:

* These pumps are approved with impeller diameters and, where applicable, speeds within the ranges shown, to provide flows and heads within those ranges.

The above pumps are fitted with "closed head" relief valve Pt. No. 25652 - 511 - 000 - 7 or Pt. No. 25652-501-000-2.a

1. Pump configurations which generate a closed valve head exceeding 10 bar are approved for use in accordance with BS EN 12845:2004+A2:2009 – Annex E – Special requirements for high rise systems.
2. Maximum working pressure: 21 bar.
3. Maximum working pressure: 20 bar.
4. Maximum working pressure: 18 bar.
5. The above pumps are also approved with alternate material options of bronze impeller and/or stainless steel shaft.
6. Maximum working pressure 14 bar.

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Multistage Fire Pumps

Product Name	Suction Inlet Diameter/ Discharge Outlet Diameter (mm)	Delivery configuration	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
CD10K 2-5 stage Multistream multistage pump	125/100	(1) Single stage - closed stage or final outlet	219	2950	2800	4.8	7.0	111b/22
			202	2950	2800	3.3	5.5	
		(2) Single stage - intermediate outlet	219	2950	2800	3.7	7.5	
			202	2950	2800	1.4	5.9	
		(3) Final outlet of five stage pump	219	2950	2800	24.0	35.0	
			202	2950	2800	16.5	27.5	

Notes:

The pump performance is the summation of each stage, i.e., the performance at the final outlet of a four stage pump is 4 x (1).

The performance at the fourth stage intermediate outlet of a five stage pump is 3 x (1) + (2).

The performance at the final outlet of a five stage pump is 5 x (1), as detailed in (3).

The above pump is approved with impeller diameters within the range shown, to provide flows and heads within the ranges shown.

The above pump is fitted with 'closed head' relief valve part no. 25652-511-000-7.

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 111b SPP Pumps Limited

Issue: 11

Multistage Fire Pumps

Product Name	Suction Inlet Diameter/ Discharge Outlet Diameter (mm)	Delivery configuration	Impeller Diameter (mm)	Rated Speed (rev/min)	Rated Flow (L/min) (at NPSH req. = 5.38m)	Rated Head (bar) (at NPSH req. = 5.38m)	Closed Valve Head (bar)	LPCB Ref. No.
CD12K 2-10 stage Multistream multistage pump	150/125	(1) Single stage - closed stage or final outlet	308	1470	4290	2.3	3.7	111b/28
			247	1470	3930	0.5	2.2	
		(2) Single stage - intermediate outlet	308	1470	4290	0.8	3.7	
			247	1470	3930	(-ve)	2.2	
		(3) Final outlet of ten stage pump	308	1470	4290	23.0	37.0	
			247	1470	3930	5.0	22.0	

Notes:

The pump performance is the summation of each stage, i.e., the performance at the final outlet of an eight stage pump is 8 x (1).

The performance at the seventh stage intermediate outlet of an eight stage pump is 6 x (1) + (2).

The performance at the final outlet of a ten stage pump is 10 x (1), as detailed in (3).

The above pump is fitted with 'closed head' relief valve part no. 25652-511-000-7.

*The minimum bypass flow rate is 160 L/min.

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

11 November 2021

Date of Issue

24 June 1996

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre