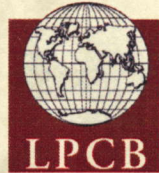


Loss Prevention Certification Board



This is to certify

Nitin Fire Protection Industries Ltd
501 Delta, Technology Street, Hiranandani Gardens,
Powai, Mumbai 400 076, India

is authorised to use the LPCB mark in association with the
product(s) listed in this certificate and appendix.

Nitin227 & Nitin1230 Gaseous Extinguishing Systems
(refer to attached appendix for details)

which have complied with the requirements of the following:

**LPS 1230 - Requirements for fire testing of fixed gaseous fire extinguishing
systems**

Certificate No. 855c

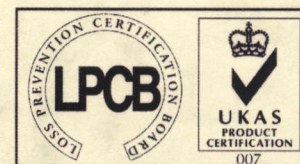
Issue No. 2

Date of Issue 10 July 2009

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visit our website www.RedBookLive.com or contact us.

Signed on behalf of the LPCB

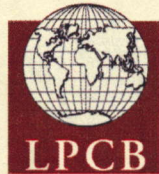
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APPENDIX TO CERTIFICATE NO. 855c

Nitin Fire Protection Industries Ltd

'Nitin227' 25 bar & 42 bar HFC 227ea Gaseous Fire Suppression Systems

Product Name	Risk	Design Concentration	Comments	LPCB Ref No.
Nitin227	Class A Standard (Solid fires e.g. paper, wood, plastics)	7.8%	Design concentration includes 30% safety factor	855c/01
	Class A Cables (Solid fires risks including cables)	-	System not LPS1230 approved for risks including cables	
	Class B (Liquid Fires e.g.heptane)	9.2%	Design concentration includes 30% safety factor	

Design concentration Class A Standard and Class B = Extinguishing concentration x safety factor (minimum 1.3).
Design concentrations are as tested to LPS 1230 in BRE Test Report Numbers 231870 (25 bar) & 254632 (42 bar)
Extinguishing concentrations are as tested in BRE Test Report Number 231870 (ISO 14520-1 tests).

This system uses:

Design Manual: 'Nitin Fire HFC227 Manual' – Issue 09-06 'June 2009'
Software Program: VdS Schadenverhütung calculation package version 7.3 .
This system is suitable for storage and environmental conditions from -20° to 50°.
System pressure is specified as 25 bar and 42 bar at 20°C.

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APPENDIX TO CERTIFICATE NO. 855c

Nitin Fire Protection Industries Ltd

'Nitin1230' 25 bar & 42 bar FK 5-1-12 (Novec™ 1230) Gaseous Fire Suppression Systems

Product Name	Risk	Design Concentration	Comments	LPCB Ref No.
Nitin1230	Class A Standard (Solid fires e.g. paper, wood, plastics)	5.3%	Design concentration includes 30% safety factor	855c/02
	Class A Cables (Solid fires risks including cables)	-	System not LPS1230 approved for risks including cables	
	Class B (Liquid Fires e.g. heptane)	6.5%	Design concentration includes 30% safety factor	

Design concentration Class A Standard and Class B = Extinguishing concentration x safety factor (minimum 1.3).
Design concentrations are as tested to LPS 1230 in BRE Test Report Numbers 231870 (25 bar) & 254632 (42 bar)
Extinguishing concentrations are as tested in BRE Test Report Number 231870 (ISO 14520-1 tests).

This system uses:

Design Manual: 'Nitin Fire Novec1230 Manual' – Issue 09-06 'June 2009'
Software Program: VdS Schadenverhütung calculation package version 7.2 .
This system is suitable for storage and environmental conditions from -20° to 50°.
System pressure is specified as 25 bar and 42 bar at 20°C.

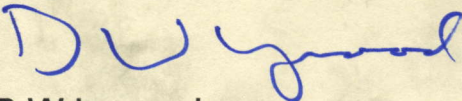
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