

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 System
Fire Fighting Components
(refer to attached appendix for details)

which have complied with the requirements of the following:

Fixed firefighting systems-Components for gas extinguishing systems

EN 12094 -Part 4: Requirements and test methods for container valve assemblies and their actuators
EN 12094 -Part 8: Requirements and test methods for connectors
EN 12094 -Part 13: Requirements and test methods for check valves and non return valves

Certificate No. 855a

Issue No. 4

Date of Issue 10 July 2009

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To check the validity and the authenticity of this certificate please
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Signed on behalf of the LPCB

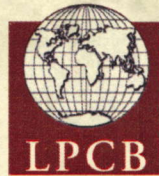
B. W. Lywood



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APPENDIX TO CERTIFICATE NO. 855a

Nitin Fire Protection Industries Ltd

Nitin227 & Nitin1230 Fire Fighting Components

- This range of equipment is suitable for storage temperatures of -20°C to 50°C and is approved for use with HFC227ea and FK 5-1-12 (Novec™ 1230).
- HFC227ea equipment is approved for use in conjunction with Nitin Fire Protection Industries Ltd Design Manual Reference 'Nitin Fire HFC227 Manual' – Issue 09-06 'June 2009'.
- FK 5-1-12 equipment is approved for use in conjunction with Nitin Fire Protection Industries Ltd Design Manual Reference 'Nitin Fire Novec1230 Manual' – Issue 09-06 'June 2009'.
- Nominal system pressure for HFC227ea components at 20°C is stated at 25 bar or 42 bar.
- Nominal system pressure for FK 5-1-12 components at 20°C is stated at 25 bar or 42 bar.

Nitin227 & Nitin1230 Container Valves

Product Name	Description	LPCB Ref. No.
NF21330x	33mm Container Valve ⁽¹⁾	855a/01
NF21331x	33mm Container Valve with Integral Solenoid Actuator ⁽¹⁾	855a/02
NF21490x	49mm Container Valve ⁽¹⁾	855a/03
NF21491x	49mm Container Valve with Integral Solenoid Actuator ⁽¹⁾	855a/04

Nitin227 & Nitin1230 Container Valve Actuators

Product Name	Description	LPCB Ref. No.
NF26010	Solenoid Actuator	855a/05
NF26011	Solenoid Actuator with reverse EMF diode	855a/06
NF26020	Pneumatic Actuator	855a/07
NF26030	Pneumatic/Manual Actuator	855a/08

Nitin227 & Nitin1230 Flexible Connectors

Product Name	Description	LPCB Ref. No.
NF271xxx	Pilot hose (Type 3 Connector) ⁽²⁾	855a/09
NF2333xxx	33mm Discharge hose (Type 1 Connector) ⁽²⁾	855a/10
NF2349xxx	49mm Discharge hose (Type 1 Connector) ⁽²⁾	855a/11

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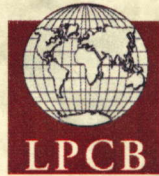
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Nitin227 & Nitin1230 Check and Non Return Valves

Product Name	Description	LPCB Ref. No.
NF2433x	33mm Discharge Check Valve ⁽³⁾	855a/12
NF2449x	49mm Discharge Check Valve ⁽³⁾	855a/13

Notes:

1. Where 'x' in container valve part number is replaced with '2' for 25 bar nominal charge pressure or '4' for 42 bar nominal charge pressure.
2. Where 'xxx' in connector part number is replaced with the connector length in mm.
3. Where 'x' in check valve part number is replaced with '1' for BSPT thread or '2' for NPT thread.

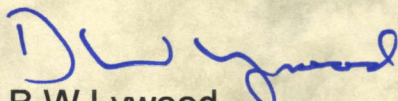
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