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You are here: [Home](#) » Search Results

### Search by Company Name

#### **Nitin Fire Protection Industries Ltd (NITIE)**

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#### **Certificate No 855d to LPS 1230**

#### **'Nitin227' 25 bar & 42 bar HFC 227ea Gaseous Fire Suppression System**

Product	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	855d/01
Nitin227	Class A Cables (Solid fires risks including cables)	8.2%	Confirmation that 'minimum safety factor' is adequate	855d/01
Nitin227	Class B (Liquid Fires e.g.heptane)	9.2%	Design concentration includes 30% safety factor	855d/01

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 Number 231870 (25 bar) & 254632 (42 bar) (Class A and B risks) and Test Letter 282069 (Class A Cables risks)

Extinguishing concentrations are as tested in BRE Test Report Number 231870 (ISO 14520-1 tests).

This system uses:

Design Manual: 'Eurotech Fire HFC227 Manual' - Issue 13-03.

Software Program: VdS Schadenverhütung calculation package version 7.3 .

This system is suitable for storage and environmental conditions from -20Å° to 50Å°C.

System pressure is specified as 25 bar and 42 bar at 20Å°C.

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[< back to results page](#)

[< back to search page](#)



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