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### Search by Company Name

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

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

### **Inertech IG-541 200 bar & 300 bar Gaseous Fire Suppression Systems**

Product	Risk	Design Concentration	Comments	LPCB Ref. No.
Inertech IG-541	Class A Standard (Solid fires e.g. paper, wood, plastics)	38.5%	Design concentration includes 30% safety factor	855d/06
Inertech IG-541	Class A Cables (Solid fires risks including cables)	45.7%	Confirmation that 'minimum safety factor' is adequate	855d/06
Inertech IG-541	Class B (Liquid Fires e.g. heptane)	46.5%	Design concentration includes 30% safety factor	855d/06

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 270432.  
Extinguishing concentrations are as tested in BRE Test Report Number 270432 (EN 15004-1 tests).

These systems use:

Design Manual: 'Eurotech Inertech System Manual' - Issue June 2013.

Software Program: VdS Flow Calc Version 2.2 .

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

System pressure is specified as 200 bar and 300 bar at 15°C.

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