



**UL CLASSIFICATION DOCUMENT
CDXN-1013**

UL File Number: R39104

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NATIONAL FIRE FIGHTING MFG FZ CO

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UL Classified Product:

NAFFCO Fire Rated Ducts.
Model **NFRD 1000 VS(E)**

This system design has been evaluated against the requirements of UL Guide Card:
CDXN - Ventilation Duct Assemblies - BS 476: Part 24.



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1. Scope of UL Classification

UL Classified Product	NAFFCO Fire Rated Ducts. Model NFRD 1000 VS(E)
UL File Number	R39104
UL Category Code	CDXN

This system design has been evaluated against the requirements of UL Guide Card:
CDXN - Ventilation Duct Assemblies - BS 476: Part 24: 1987 (ISO 6944: 1985).

The range of ducts includes ventilation and smoke extract ducts, Duct A and Duct B:

Duct A are intended for ventilation duct assemblies that pass through the fire environment without openings.

Duct B are intended for ventilation duct assemblies where the duct contains openings within the fire environment.

Please refer to individual system designs detailed in Section 4 of this UL Classification Document.

The product/ system design is UL Classified on the basis of:

- a) Product sampling
- b) Initial type testing
- c) UL Follow-Up Services (surveillance)

This UL Classification is intended to demonstrate compliance of the system design specifically with Approved Document B (England and Wales), Section D of the Technical Standard (Scotland), Technical Booklet E (Northern Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations of conflicts to be taken into account.



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4. System Design CDXN-1013

System Summary

1. The ducts are to be installed in accordance with the documentation supplied with the product.
2. Ducts are evaluated for the following performance:
 - a. Stability 120 minutes
 - b. Integrity 120 minutes
 - c. Smoke Extraction 120 minutes (based on 75% cross sectional area)
3. Maximum dimensions for standard construction rectangular ducts is 3000mm x 3000mm.
4. Ducts can be fabricated in galvanized mild steel.
5. Volume Control Damper can be installed as accessory.