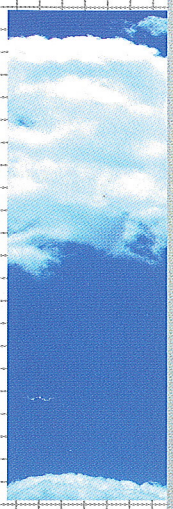
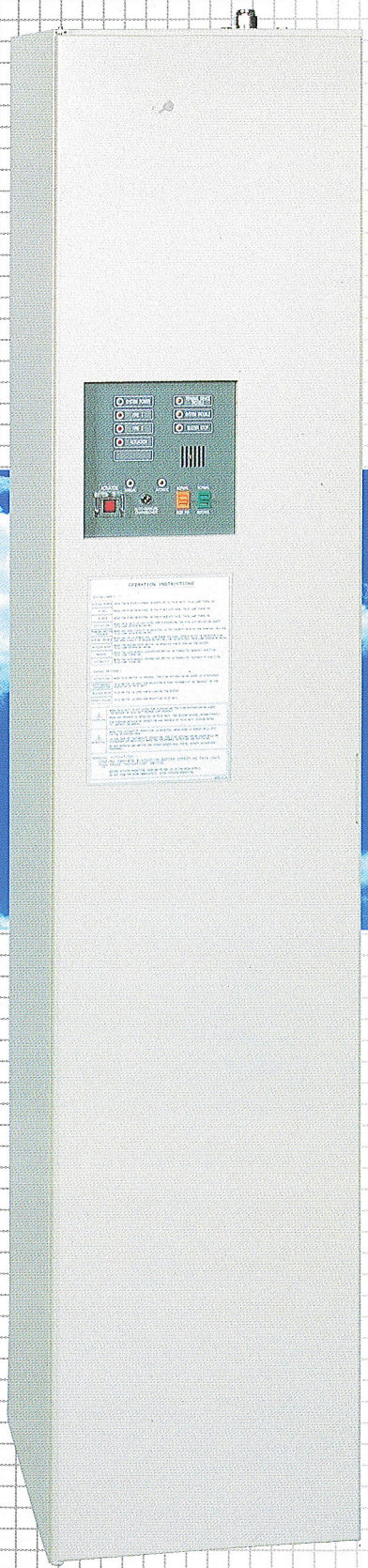
NN100

PACKAGE EX

Nitrogen Gas Fire Suppression System







- *Zero Ozone Depletion Potential*
- *Zero Global Warming Potential*
- *Friendly to Humans and the Earth*

NOHMI

Save-space and save-cost solution to protect valuables

Safe for human and property

- As nitrogen is stored in the form of gas, no vaporization occurs, which doesn't cause mist nor thermal impact on your property.
- Design oxygen concentration remains safe level for prompt evacuation, even if someone is trapped inside a protected room during discharge.



Reliable performance and operation

- The specific gravity of nitrogen gas is almost as heavy as that of the air, which maintains an even distribution of gas for longer time to prevent re-ignition.
- The cabinet is not only for its nice appearance. The cabinet shelters all the system devices from fire to assure their operations, as the NN100 package units are installed in the very protected rooms.

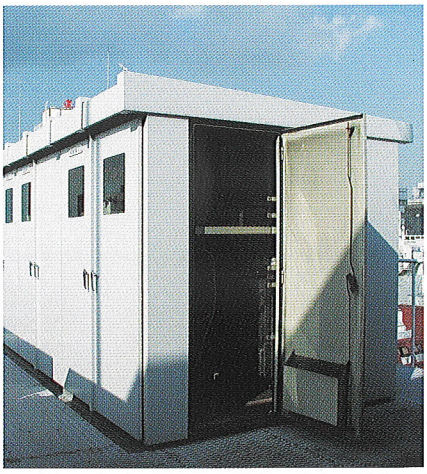
International recognition

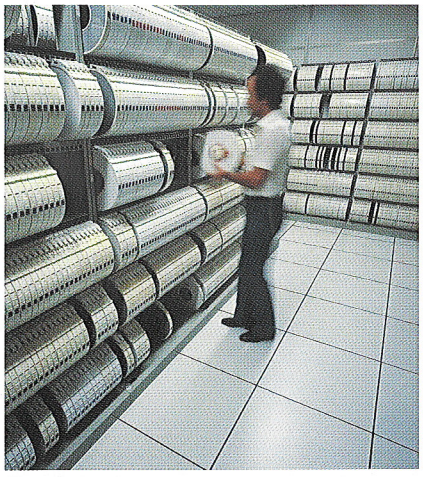
- NFPA has adopted Nitrogen gas (IG-100) in NFPA 2001-2000
- EPA has approved Nitrogen gas (IG-100)

Applications

NN100 package unit is suitable for small-scale computer rooms, telecommunication facilities, generator rooms and storage rooms for fine arts.

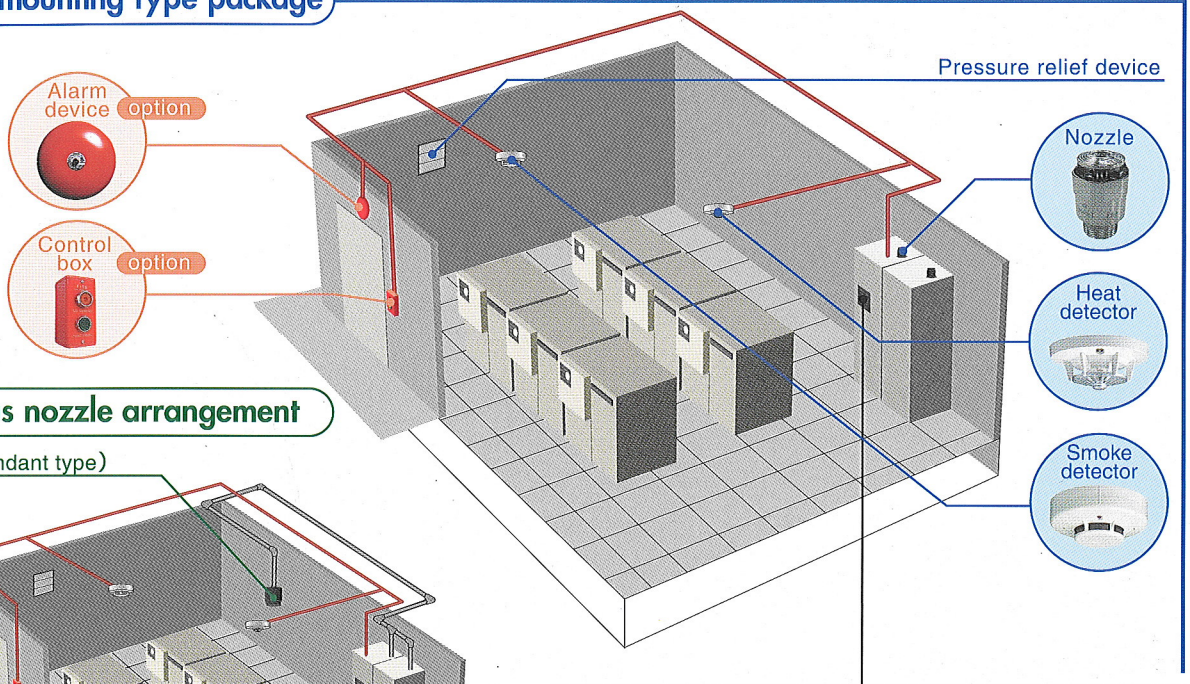




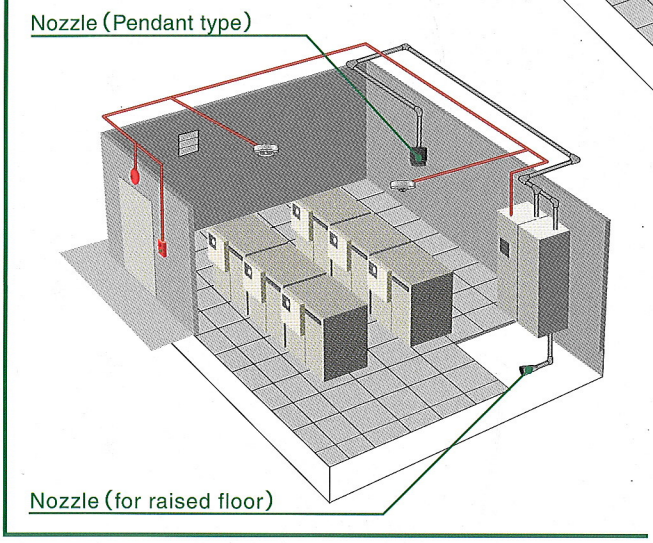


Just put in your room without a big plumbing work

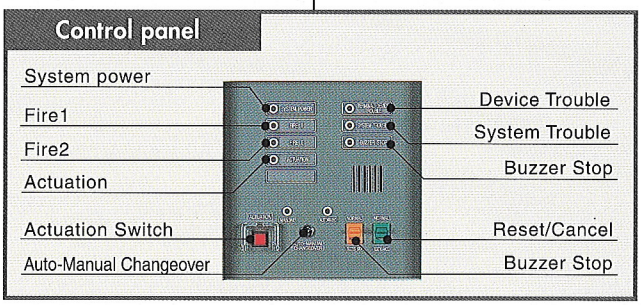
Nozzle mounting type package



Various nozzle arrangement

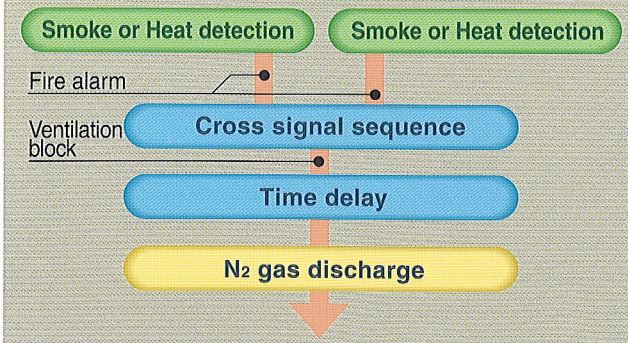


Control panel

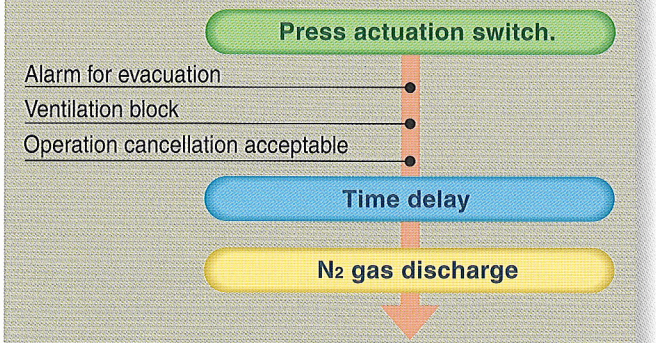


Operation flow chart

AUTOMATIC OPERATION



MANUAL OPERATION



Caution!

1. A pressure relief device is required.
A pressure relief device is required to release an excessive pressure caused by N_2 discharge.

2. An exhaust fan is required.
An exhaust fan is required to exhaust thermal decomposition products after extinguishing.

Package type



Type A

The fundamental package. Contains one-N_2 cylinder, one-pilot cylinder with actuator, one-discharge nozzle, one-control panel with a battery unit etc.
The first 11-Type B packeges can be released.



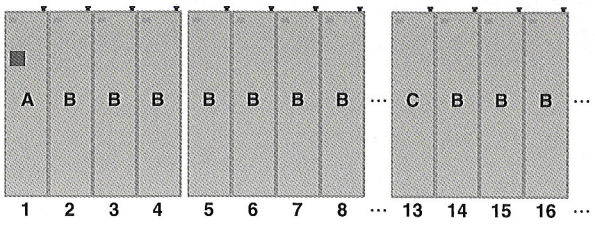
Type B

The additional package.
Contains one-N_2 cylinder only, one-discharge nozzle.
Add this type of packages to Type A or Type C according to the volume of N_2 required



Type C

The additional package with a pilot cylinder with a releaser.
Contains one-N_2 cylinder and one-pilot cylinder, one-discharge nozzle.
Allows another 11-Type B packages to be relesed.



One-Type A can be connected with 11-Type B Packages.
If more than 12-Type B Packages are required, one-Type C is needed to be installed.
One-Type C can also be connected with 11-Type B packages.

Maximum Room Volume covered by one cylinder

class A,C fire	43m³
class B fire	39m³

Specifications

	Type A	Type B	Type C
Cylinder capacity	83 L		
N_2 volume	20.3 m³		
Storage pressure	30 MPa (35℃)		
Discharge pressure	10.8 MPa (40℃)		
Weight (kg)	225	180	190
Dimensions (mm)	450 (W) ×370 (D) ×2150 (H)	350(W)×370(D)×2150(H)	450 (W) ×370 (D) ×2150 (H)
Ambient temperature	0℃~40℃		
Power supply	240V AC,230V AC,220V AC	N/A	
Power consumption	50VA	N/A	
Time delay	0 to 99 sec.	N/A	
Alarm output contact rating	30V DC,0.5A	N/A	
Contact rating of fan-stop signal	250V AC,1.5A 30V DC,1.5A 1-set	N/A	
Battery	Ni-Cd battery	N/A	
Enclosure	Steel		
Finish	Equivalent to Munsell No. 5Y7/1		

- This system is intended to suppress a fire in its early stage. However, please note that it may not suppress the fire if the type, quantity and or arrangement of combustibles in the protected area is changed after installation.
- This system comprises cylinders filled with the highly pressurized gas. properly handle the cylinders according to the cautions indicated on them.
- These instructions do not purport to cover all the details or variations in the equipment described, nor provide for every possible contingency to be met in connection with installation, operation and maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on above specifications.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or a distributor in your region.

NOHMI
NOHMI BOSAI LTD.
●HEAD OFFICE : 7-3, Kudan Minami 4-chome,
Chiyoda-ku, Tokyo 102-8277, Japan
●PHONE : (81) 3-3265-0231
●F A X : (81) 3-3265-5348
●U R L : http://www.nohmi.co.jp/english/

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