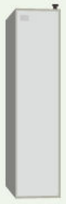
Package type

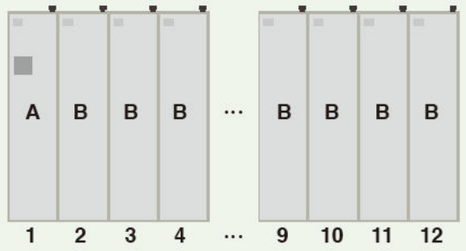
Type A

This is the fundamental package which contains one N_2 storage cylinder one pilot cylinder with an actuator one discharge nozzle one control panel with a battery unit and accessories
One unit of this Type A can drive 11 units of Type B package



Type B

This is an additional package to Type A which contains one N_2 storage cylinder and one discharge nozzle
A maximum of 11 units of Type B package can be added to one Type A package



Maximum room volume covered by one storage cylinder

Class A fire	49m³
Class B and C fire	39m³

※Class C fire is a fire that involves energized electrical equipment

Specifications

	Type A	Type B
Cylinder capacity	83 L	
N_2 volume	20.3 m³	
Storage pressure	30 MPa at 35°C	
Discharge pressure	10.8 MPa at 40°C	
Weight	Approx. 225 kg	Approx. 180 kg
Dimensions	450mm(W)×2150mm(H)×370mm(D)	350mm(W)×2150mm(H)×370mm(D)
Ambient temperature	0 to 40°C (32 to 104°F)	
Input power	220VAC, 230VAC, 240VAC±10% 50/60Hz	—
Power consumption	80VA	—
Time delay for discharge	0 to 45 seconds	—
Contact rating of status output	0.5A at 30VDC	—
Contact rating of external device shutdown output	1.5A at 30VDC 1.5A at 250VAC	—
Contact rating of external alarm device output	1.5A at 30VDC	—
Battery	N-Cd battery	
Enclosure material	Stee sheet 1.6mm	
Finish color	Be ge wh te	

- his system is intended to suppress a ire at an early stage Please note that it may not suppress the ire i the kind, quantity and/or arrangement o combustibles in the area protected by this system is changed a ter installing the system
- his system comprises cylinders illed with highly pressurized gas Handle the cylinders with care according to the cautions indicated on them
- he discharge o a gas extinguishing agent results in the emission o a high level o noise his noise may a ect modern precision instruments such as hard disc drives (“HDD) his e ect occurs when discharging any agents described in N PA such as inert gases, H Cs, HC Cs, Cs, Ks, and Halon
  n a communication equipment room, computer room or server room with hard disc drives installed, we recommend that you use the lower sound gas discharge nozzle described in this document, which emits a lower level noise when discharging the gas Please note that NOHM does not guarantee the per ormance o HDD Other countermeasures may be e ective or protecting HDD, such as sound insulation and vibration isolation or HDD housing rack (i e use o acoustic absorption materials and vibration-proo materials, etc), measures to protect HDD be ore discharging a gas agent (i e stop running HDD, evacuation o magnetic heads, etc), or improvement in sound-proo ing o HDD itsel and/or data protection (backup o data, etc) Please note that, even i a customer replaces the existing normal discharge nozzles with lower sound discharge nozzles and adopts all or part o the above-mentioned countermeasures, NOHM does not guarantee the per ormance o HDD
- N PA 75 “Protection o n ormation echnology Equipment states that the power supply to all electronic devices should be cut o at the same time when the gas ire suppression system starts discharging the gas agent
- he excessive pressure in a protected room caused by the discharge o the agent must be released to prevent the room rom incurring damage here ore, a pressure relie device must be installed in the room
- Products of combustion may be released by fire. Therefore, an exhaust fan must be installed in a protected room and it must be activated after extinguishing the fire to remove the products of combustion.
- he in ormation contained herein does not purport to cover all the details or variations in the equipment described, nor provide or every possible contingency that may be met in connection with its installation, operation or maintenance
- Speci ications are subject to change without notice Contact Nohmi be ore relying on the in ormation
- Actual per ormance is based on the proper application o the product by a quali ied pro essional
- Should further information be required or should particular concerns arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or your nearest distributor.

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NOHMI

NN100™ PACKAGE EX

Nitrogen Gas Fire Suppression System

Nature loves a clean agent

Space and cost saving solutions to protect valuables

Simply place in your room with no major plumbing work required

《Safe for the environment and people》

- The NN100 Package EX has zero ozone depletion potential and zero global warming potential, since it employs nitrogen gas, occupying 78% of the air, as the fire extinguishing agent.
- The NN100 Package EX employs no carbon dioxide or halocarbons. There is no possibility of producing hydrofluorine, a toxic gas, even in contact with heat or fire.
- As nitrogen is stored in the form of gas, no vaporization occurs, and therefore there is no condensation or thermal impact.

《Space and cost saving solutions》

- The NN100 Package EX is the compact package unit, which does not require major plumbing work, so it can be simply placed in the protected room.
- The NN100 Package EX requires neither synthetic nor blended gas as a fire extinguishing agent. It requires only nitrogen gas commonly available for industrial use.

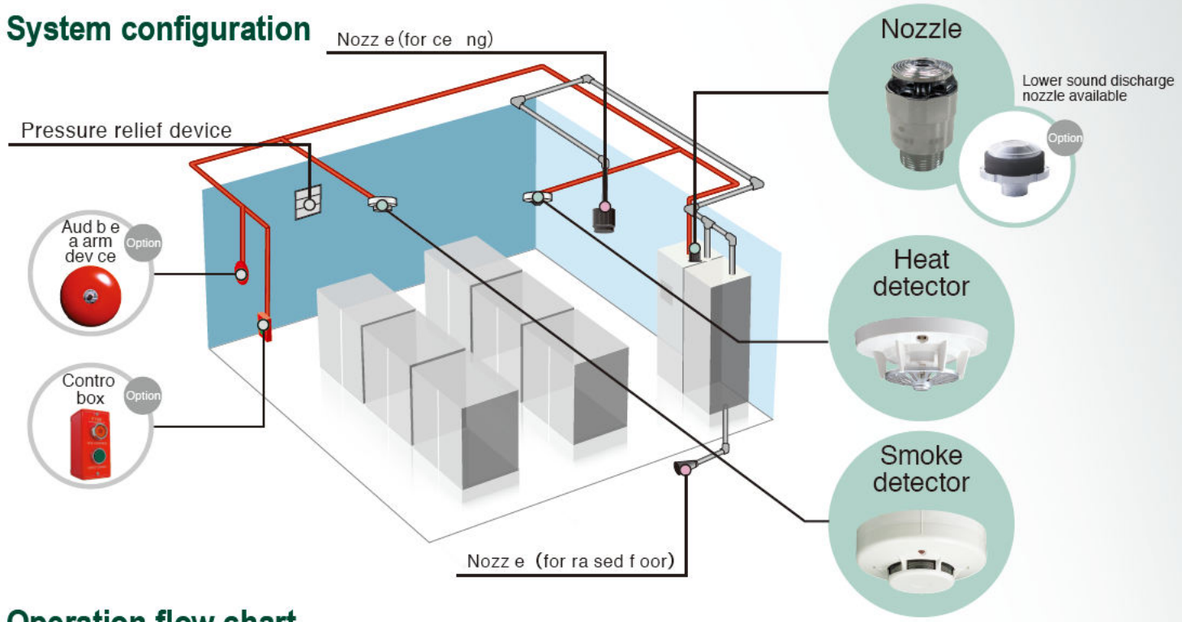
International recognition

- National Fire Protection Association (NFPA)
- US Environment Protection Agency (US EPA)
- International Standard Organization ISO14520

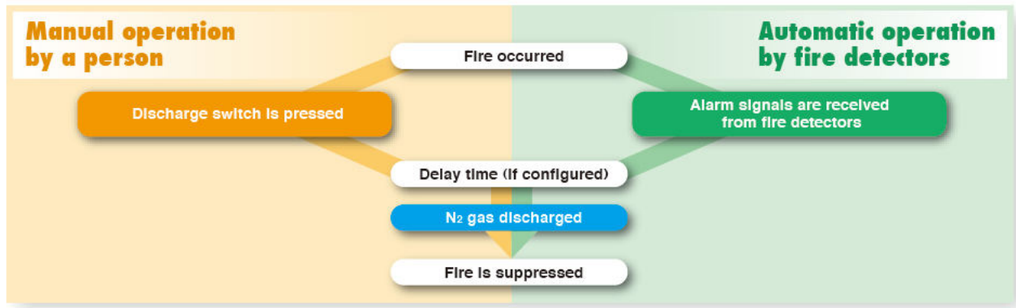
Applications

The NN100 package unit is suitable for small-scale computer rooms, tele-communication facilities, generator rooms, and storage rooms for valuables.

System configuration



Operation flow chart



Caution

1. A pressure relief device is required to release excessive pressure caused by the N_2 gas discharge.
2. An exhaust fan is required to exhaust thermal decomposition products after suppressing the fire.