



STORAGE CYLINDER



Features

- UL Listed to UL2127.
- New Seamless Steel Cylinder
- High Pressure System, 27.9 MPa (4047 psi)
- Equipped with the Automatic Pressure-Regulating Valve.
- Low Cost to Refill

Description

The N₂ storage cylinder, model NN83CU, is used as a component of the NN100 Fire Extinguishing System.

This cylinder, which has an actual volume of 83 liters (2.93 ft³), is filled with pure Nitrogen compressed gas and will provide a free agent volume of 20.3m³ (716 ft³) at 0.1014MPa, 20°C (14.7psia, 68°F), when pressurized to 27.9MPa, 20°C (4047 psi, 68°F).

All cylinders are equipped with an automatic pressure-regulating valve. This valve quickly discharges the agent and has a mechanism which controls the discharging pressure to less than the pilot pressure ,10.0MPa at 20°C (1450psi at 68°F).

The cylinder is made of seamless steel and complies with the High Pressure Gas Safety Law of Japan.

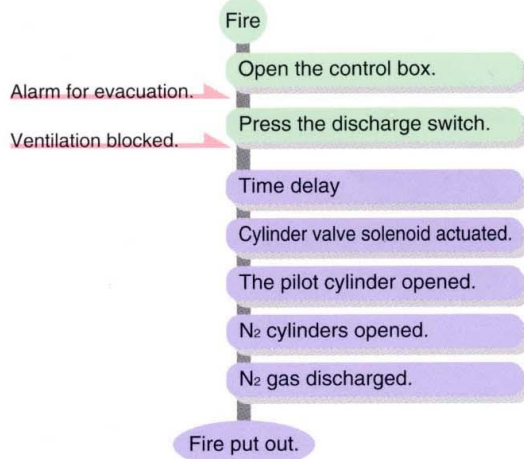
Specifications

Item	Specification
Part number	U4001
Model	NN83CU
Standard	JIS B 8241 (Japanese Standard)
Water Capacity	83.0 Liter (2.93 ft ³)
Filling Volume	20.3m ³ at 20°C (716 ft ³ , 68°F)
Operating pressure (at 20°C)	27.9 MPa (4047 psi, 68°F)
Test pressure	50.0 MPa (7251 psi)
Cylinder Valve	Model PC30BU
Cylinder Dimensions	Approx. 1835mm(72.44") (H) × O.D.φ 278mm (10.95")
Temperature range	-17.8°C to 54.4°C (0°F to 130°F)
Tare Weight (Except the agent)	Approx. 109kg
Material	Cr-Mo Steel
Finished Color	Munsell ref. No. N-6

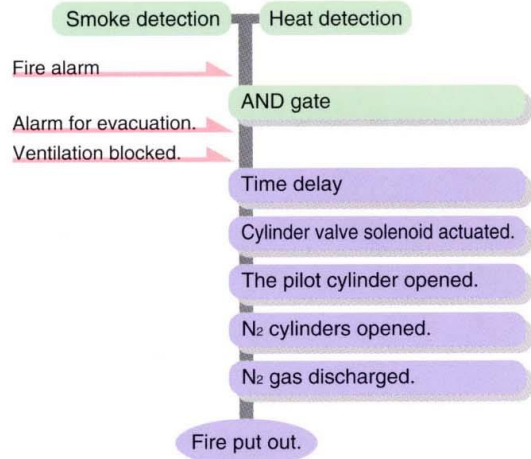
Operation Flow Chart



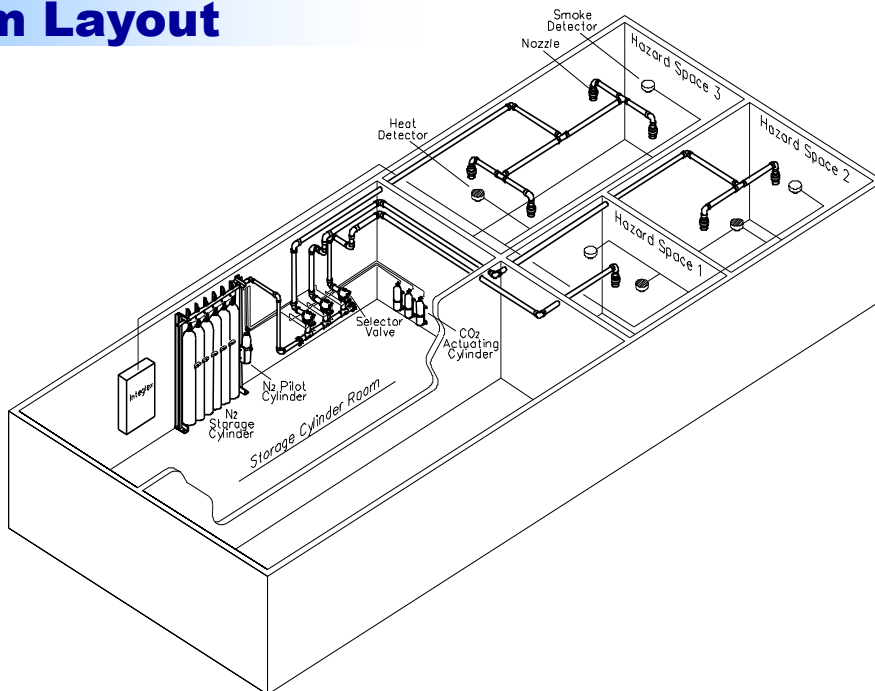
MANUAL OPERATION



AUTOMATIC OPERATION



System Layout



- 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.

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