

FIREFLY T-Tube

PRODUCT INTRODUCTION

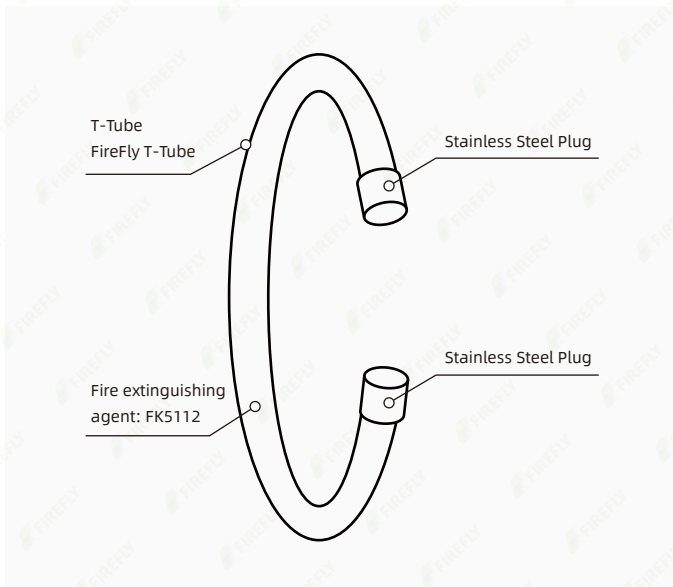
T-Tube N Series

T-Tube N Series No-pressure

Simplicity · Reliable · Safety
Fully Automatic Fire Suppression Product



The flexible suppression tube T-Tube N series is a fully submerged fire extinguishing equipment, mainly composed of thermosensitive material tubes and stainless steel seals, using UL/FM certified environmentally friendly fire extinguishing agent FK5112. When a fire occurs, the ambient temperature rises, and even in the absence of an open flame, the flexible suppression tube T-Tube N series can automatically sense the temperature and explode, releasing fire extinguishing agents to quickly suppress the fire.



This product does not require a working power supply, has a wide range of temperature and humidity resistance, is not affected by environmental interference, is harmless to protected objects, and is particularly suitable for live fire. It provides 24-hour uninterrupted protection for energy storage, new lithium batteries, data centers, various power grid equipment, precision instruments, cultural relics and artworks.

Product Advantages Zero Pressure, More Reliable & Safe



Safety
 No pressure inside the pipe, non dangerous goods, worry free transportation by sea, land, and air.



Long-life
 Under normal use, the lifespan can reach 20 years.



Stability
 24-hour uninterrupted operation, fully mechanical drive, no need for external detectors, and no risk of false alarms.



Simplicity
 Simple construction, easy installation, easy operation, and no maintenance required.



Reliable
 IATF16949 automotive grade quality management system certification, reliable quality.



Environment Protection
 Efficient and clean gas with no residue, no corrosion, excellent insulation performance, suitable for electrical and precision instrument protection, does not pose a threat to the ozone layer, and meets environmental protection requirements.

Main Parameters

Project	Parameter
Diameter specification	φ18mm, φ28mm
Length ①	250mm~4000mm
Applicable fire category ②	A, B, C
Start temperature	105±10℃
Tube material	Composite temperature sensing material
Fire extinguishing agent	FK5112
Storage temperature	-20℃ ~ +50℃
Storage humidity	≤99% RH

① For other sizes, please consult the sales staff.

② NFPA2001 standard: A Solid, B Liquid and Gas, C Charged Equipment.

Model List

T-Tube NT28 N Series

NO.	Order model	Description	Diameter	Length	Protection volume (21°C, 6%)	Quantity of fixed components
1	NT28.025.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 0.128kg FK5112	28mm	250±5mm	0.145m ³	≥2pcs
2	NT28.050.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 0.298kg FK5112		500±5mm	0.336m ³	≥2pcs
3	NT28.100.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 0.637kg FK5112		1000±5mm	0.718m ³	≥3pcs
4	NT28.150.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 0.977kg FK5112		1500±10mm	1.100m ³	≥4pcs
5	NT28.200.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 1.316kg FK5112		2000±10mm	1.482m ³	≥5pcs
6	NT28.250.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 1.655kg FK5112		2500±10mm	1.865m ³	≥6pcs
7	NT28.300.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 1.994kg FK5112		3000±15mm	2.247m ³	≥7pcs
8	NT28.350.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 2.334kg FK5112		3500±15mm	2.629m ³	≥8pcs
9	NT28.400.105.E00.00AB	NT28 T-Tube Flexible non-pressurized suppression tube, 2.673kg FK5112		4000±15mm	3.011m ³	≥9pcs

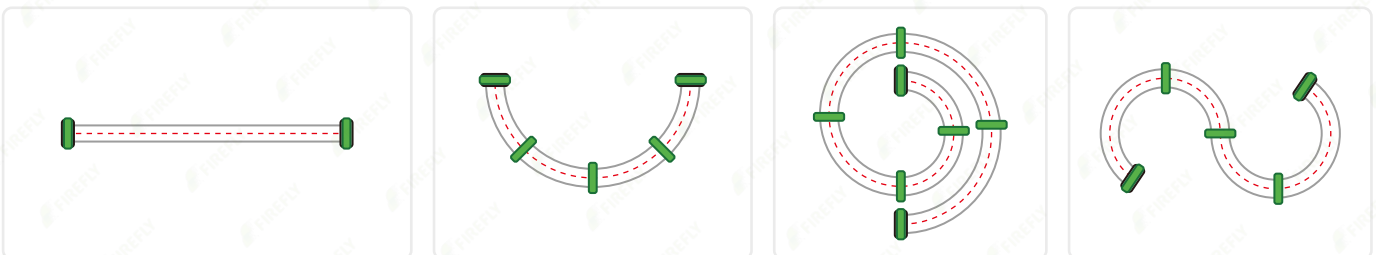
Model List

T-Tube NT18 N Series

NO.	Order model	Description	Diameter	Length	Protection volume (21°C, 6%)	Quantity of fixed components
1	NT18.025.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.056kg FK5112	18mm	250±5mm	0.064m ³	≥2pcs
2	NT18.050.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.128kg FK5112		500±5mm	0.144m ³	≥2pcs
3	NT18.100.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.271kg FK5112		1000±5mm	0.306m ³	≥3pcs
4	NT18.150.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.415kg FK5112		1500±10mm	0.467m ³	≥4pcs
5	NT18.200.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.558kg FK5112		2000±10mm	0.629m ³	≥5pcs
6	NT18.250.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.701kg FK5112		2500±10mm	0.790m ³	≥6pcs
7	NT18.300.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.845kg FK5112		3000±15mm	0.951m ³	≥7pcs
8	NT18.350.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 0.988kg FK5112		3500±15mm	1.113m ³	≥8pcs
9	NT18.400.105.E00.00AB	NT18 T-Tube Flexible non-pressurized suppression tube, 1.131kg FK5112		4000±15mm	1.274m ³	≥9pcs

Installation Method

1. Can be installed with straight, U-shaped, O-shaped, and S-shaped bending;
2. Suggest installing above the protected space. If installation in other locations is required, please communicate with technical personnel;
3. The NT28 N series recommends a bending diameter of ≥ 560mm, and the NT18 N series recommends a bending diameter of ≥ 360mm.



Installation Fixing Components

High temperature resistant fixed code

Suggest using one at a maximum interval of 500mm.

Order model: PT18.004.000 / PT28.004.000

Diameter: $\phi 18\text{mm}$ / $\phi 28\text{mm}$

Temperature resistance range: $-40^{\circ}\text{C}\sim 150^{\circ}\text{C}$



High temperature resistant zip ties

Suggest using one at a maximum interval of 500mm.

Order model: PT18.003.000 / PT28.003.000

Temperature resistance range: $-20^{\circ}\text{C}\sim 135^{\circ}\text{C}$

Overall dimensions: 5X300mm



Applicable Scenarios



Battery PACK



ESS cabinet



UPS cabinet



EV charger



Marine



EV / PHEV / Petrol vehicle



Passenger cars



Data center



Construction machinery



3D printer



CNC machining center



Outdoor electrical cabinet



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If you have any questions or need to obtain the latest information, please contact us.