

FIREFLY T-TUBE

PRODUCT INTRODUCTION

T-Tube L Series

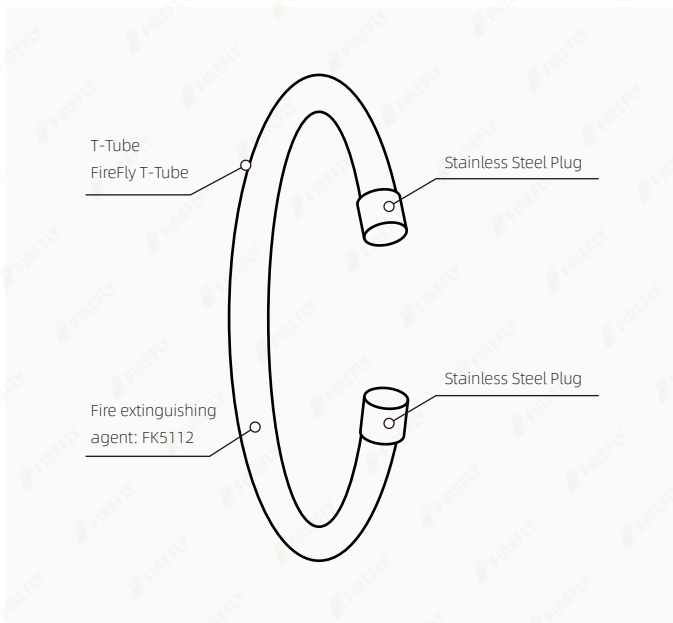
T-Tube L Series Low-pressure



Simplicity · Economical · Reliable

Total flooding automatic fire suppression product

T-Tube L Series is a full submerged automatic fire suppression product, made of special polymer thermosensitive tube and stainless steel fittings, filled with clean agent (FK5112). When the temperature of any point of the tube reaches $100 \pm 10^{\circ}\text{C}$, whether there is flame or not, the T-tube will automatically burst, and the clean agent stored in the tube sprayed instantaneously, applicable to small confined space, it can effectively detect and suppress early fire. T-tube's clean agent and main components are certified by UL, and the whole product has CE approval. Even without power supply, T-tube can also provide 24 hours of uninterrupted protection for your equipment.



Product Advantages



Excellent Versatility

Suitable for Class A, B, and C fires.
 NFPA2001 Standard: A for solids, B for liquids and gases, C for live electrical equipment



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

It is simple to construct, install, and operate, and can work without a power source.



Cost-effective

Maintenance-free, low operating costs, no chemical storage tank, and small footprint.

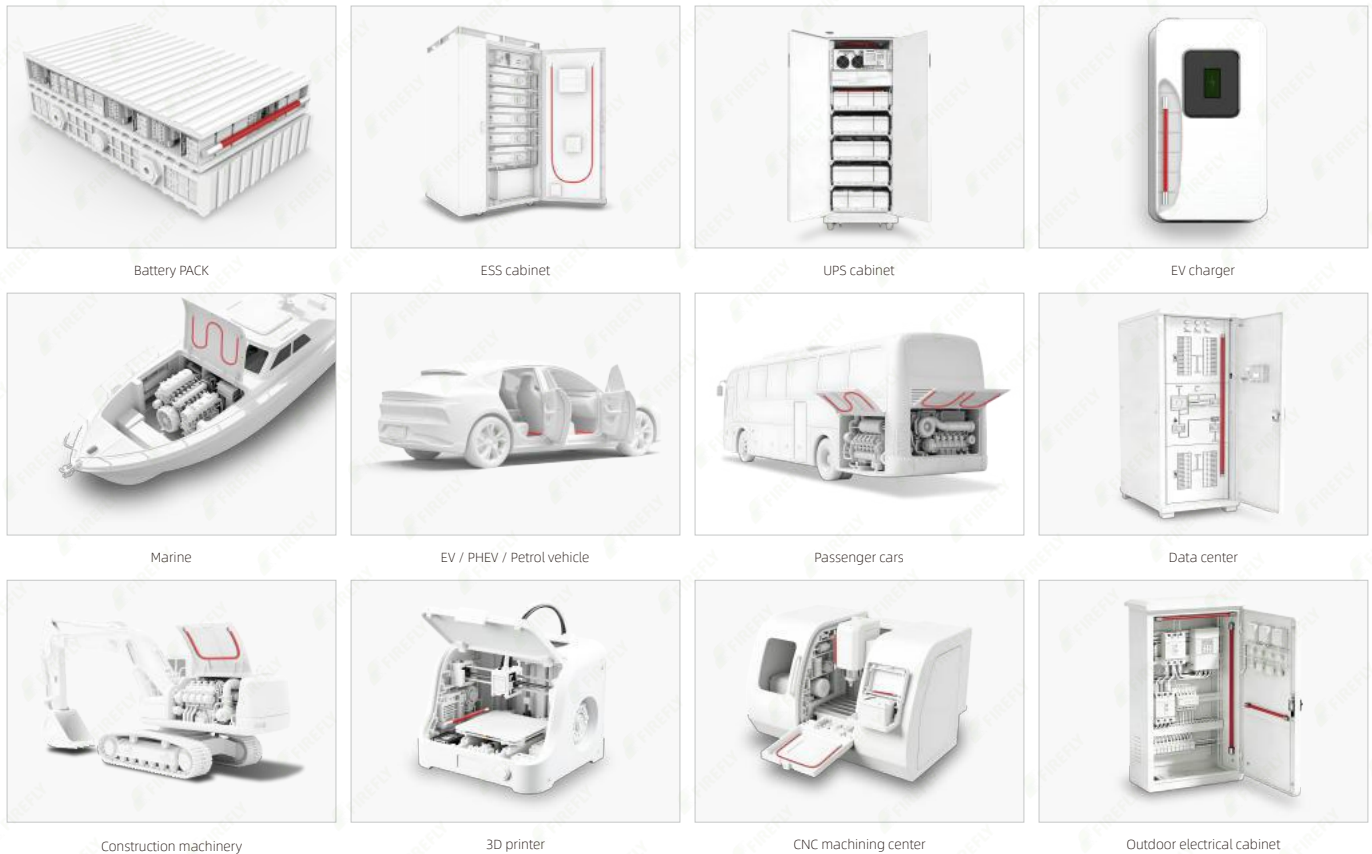


Environment Protection

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.

Applicable Scenarios

Indoor and outdoor energy storage cabinets, indoor and outdoor charging stations, indoor and outdoor electrical cabinets, wind turbines, data centers, indoor and outdoor power distribution cabinets, indoor and outdoor telecommunications cabinets, new energy and fuel vehicles, large mining and construction machinery, marine equipment, 3D printers, CNC machine tools, and more.



Main Parameters

Item	Parameter	Item	Parameter
Diameter specification	φ28mm	Length ①	250mm~4000mm
Applicable fire category ②	A, B, C	Start temperature	100±10°C
Tube material	Composite temperature sensing material	Fire extinguishing agent	FK5112
Storage temperature	-20°C~+50°C	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 L Series

NO.	Order model	Description	Diameter	Length	Protection volume (21°C, 6%)	Quantity of fixed components
1	NT28.025.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 0.111kg FK5112	28mm	250±5mm	0.126m ³	≥2pcs
2	NT28.050.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 0.258kg FK5112		500±5mm	0.291m ³	≥2pcs
3	NT28.100.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 0.552kg FK5112		1000±5mm	0.623m ³	≥3pcs
4	NT28.150.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 0.846kg FK5112		1500±10mm	0.954m ³	≥4pcs
5	NT28.200.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 1.140kg FK5112		2000±10mm	1.285m ³	≥5pcs
6	NT28.250.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 1.434kg FK5112		2500±10mm	1.616m ³	≥6pcs
7	NT28.300.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 1.728kg FK5112		3000±15mm	1.947m ³	≥7pcs
8	NT28.350.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 2.022kg FK5112		3500±15mm	2.278m ³	≥8pcs
9	NT28.400.100.E08.00AB	NT28 T-Tube Flexible Low-pressurized suppression tube, 2.281kg FK5112		4000±15mm	2.609m ³	≥9pcs

NO.	Order model	Optional accessories
1	NT28.XXX.100.E08.00AB	No optional accessories
2	NT28.XXX.100.E08.00AC	Pressure switch
3	NT28.XXX.100.E08.00BE	Predetermined temperature Sprinkler 93°C
4	NT28.XXX.100.E08.00BF	Predetermined temperature Sprinkler 79°C
5	NT28.XXX.100.E08.00BG	Predetermined temperature Sprinkler 68°C
6	NT28.XXX.100.E08.00BJ	Solenoid valve (with Predetermined temperature Sprinkler 93°C)
7	NT28.XXX.100.E08.00BK	Solenoid valve (with Predetermined temperature Sprinkler 79°C)
8	NT28.XXX.100.E08.00BL	Solenoid valve (with Predetermined temperature Sprinkler 68°C)
9	NT28.XXX.100.E08.00CE	Pressure switch+Predetermined temperature Sprinkler 93°C
10	NT28.XXX.100.E08.00CF	Pressure switch+Predetermined temperature Sprinkler 79°C
11	NT28.XXX.100.E08.00CG	Pressure switch+Predetermined temperature Sprinkler 68°C
12	NT28.XXX.100.E08.00CJ	Pressure switch+Solenoid valve (with Predetermined temperature Sprinkler 93°C)
13	NT28.XXX.100.E08.00CK	Pressure switch+Solenoid valve (with Predetermined temperature Sprinkler 79°C)
14	NT28.XXX.100.E08.00CL	Pressure switch+Solenoid valve (with Predetermined temperature Sprinkler 68°C)

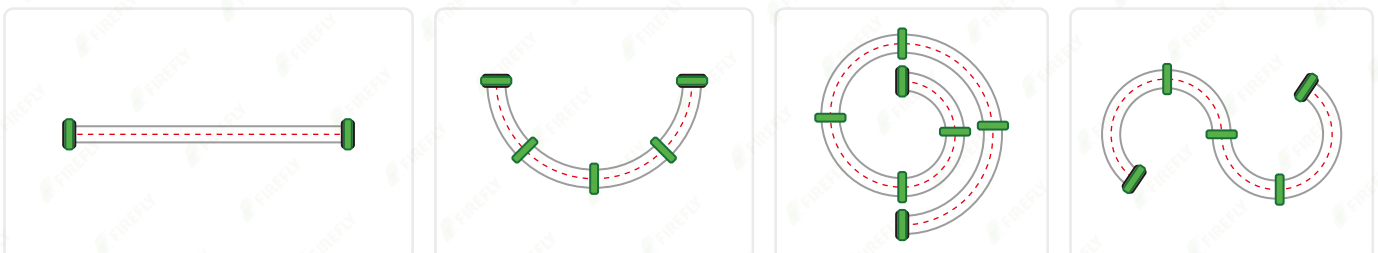
Optional Accessories

In order to fit the needs of various scenarios, 4 types of optional to be supplied: Pressure gauge, Pressure switch, Predetermined temperature Sprinkler, and Solenoid valve. Each T-tube can be equipped with a maximum of two optional accessories in a system.

Icon Description: ✓ Yes ✗ No					
Project	Optional Accessories Name	Pressure Gauge	Pressure switch	Predetermined temperature Sprinkler	Solenoid valve
Optional Accessories	Pictures				
	Function Introduction	Indicating the pressure in the tube, convenient for daily inspection and maintenance	Used for remote monitoring of the pressure in the tube, if the party detects that the pressure in the tube is lower than a certain value, feedback signal to the fire alarm host (or other monitoring equipment)	There is a glass bulb inside, when the temperature of the protected enclosures rise to the value of the glass bulb, the glass bulb would be cracked, and the clean agent is discharged through the glass bulb	When the fire detector detects the fire alarm, the fire alarm host will activate the solenoid valve and release the clean agent. There is a glass bulb inside also.
Three types of Activation	A.100±10°C general activation	✓	✓	✓	✓
	B. Glass bulb activation (68°C, 79°C, 93°C)	✗	✗	✓	✓
	C. Electromagnetic activation	✗	✗	✗	✓

Installation Method

1. The flexible suppression tube possesses excellent flexibility, allowing for installation in a straight, horizontal, or vertical position, as well as in U-shaped, O-shaped, or S-shaped bends;
2. It is recommended to install it above the protected space. If installation in other locations is required, please communicate with the sales personnel;



Installation Fixing Components

High temperature resistant fixed code

Suggest using one at a maximum interval of 500mm.

Order model: PT28.004.000

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

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: PT28.003.000

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

Overall dimensions: 5X300mm





FIREFLY Excellent Brand
Under Wanzn Energy Safety

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