

FIREFLY T-TUBE

PRODUCT INTRODUCTION

NT28 SERIES

T-Tube NT28 Series

Simple · Economical and Reliable Early Fire Suppression Product

T-Tube NT28 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.



Applications

Indoor & outdoor : Energy storage cabinet, EV charger, Electrical cabinet, Wind turbine, Data center, Power distribution cabinet, Telecom cabinet, Vehicle engine housing, Mine & Construction machine, CNC.



Main Parameters

Type		Parameter	Remarks
Filling pressure		16 Bar	Room temperature 25° C
Amount of filled Clean Agent		0.05kg ~ 2kg	Please ask your sales representative for other prescriptions
Applicable fire categories		A、 B、 C	NFPA 2001 Standard (Solids A Liquids B and Gases C Electrically Powered Equipment)
Blasting temperature		100 ± 10°C	Without optional accessories
Working Environment	Operation temperature	-20°C ~ 55°C	Without optional accessories
	Relative humidity	≤99% RH	None

Model List T-Tube NT28 Series





NO.	Pharmacy (Remak1)	Diameter mm	Length mm	Part NO.	Product Name	Dosage kg (Remark2)	Protective volume m ³ (Remark3)
1	FK5112	29-30	100	28.010.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,0.05KG	0.05	0.07
2			250	28.025.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,0.125KG	0.125	0.19
3			450	28.045.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,0.25KG	0.25	0.39
4			900	28.090.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,0.5KG	0.50	0.79
5			1350	28.135.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,0.75KG	0.75	1.18
6			1800	28.180.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,1KG	1.00	1.58
7			2250	28.225.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,1.25KG	1.25	1.98
8			2700	28.270.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,1.5KG	1.50	2.37
9			3150	28.315.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,1.75KG	1.75	2.77
10			3600	28.360.000	T-Tube FK5112 Flexible Suppression Fire Extinguishing System 1-1.6Mpa,2KG	2.00	3.71

☆ Remarks:

1. If you need to use HFC-227ea, please communicate with your sales representative.
2. There may be a slight difference between the dosage and actual weight in the above table.
3. This is a theoretical value based on NFPA 2001 Class C energized fire, but the actual value may vary depending on the type of equipment and space division.

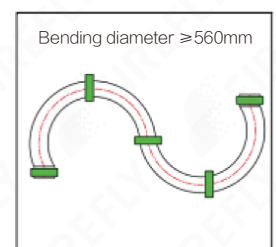
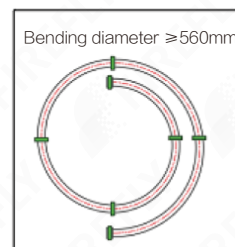
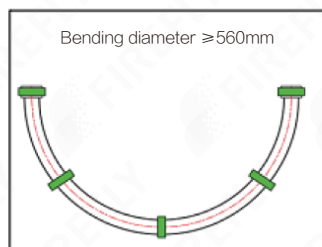
Optional accessories

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	 Pressure Gauge	 Pressure switch	 Predetermined temperature Sprinkler	 Electrical Actuator
	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. $100 \pm 10^\circ\text{C}$ general activation	✓	✓	✓	✓
	B. Glass bulb activation (68°C , 79°C , 93°C)	✗	✗	✓	✓
	C. Electromagnetic activation	✗	✗	✗	✓

Installation

T-tube has very good flexibility, It can be fixed as a straight line horizontally or vertically, and can also be fixed as U-shaped, O-shaped, S-shaped.



For more information about installation please discuss with us

Product Features and Benefits

- ★ Excellent versatility, suitable for A, B, C fire (NFPA2001 standard classification, A solid, B liquid and gas, C electrically powered equipment)
- ★ Easy to install, mechanical, reliable; stand-alone operation, can work without power
- ★ High-cost performance value, maintenance free, low operating costs
- ★ Long shelf-life, depending on the installation environment, normal use with over 20 years
- ★ No gas storage tank needed, small installing space required
- ★ FK5112 Fire Protection Fluid with no residue, no corrosion, good insulation performance characteristics, suitable for electrical appliances and precision instruments protection
- ★ FK5112 Fire Protection Fluid is a large margin of safety extinguishing gas agent, it has an excellent environmental profile.

Customers Served





FIREFLY GLOBAL SALES & DISTRIBUTION

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