

PRODUCT CATALOG

Fire safety, Mission must be reached



NANJING SIFUTE SAFETY ENGINEERING CO., LTD.



Nanjing SIFUTE Safety Engineering Co., Ltd.(hereinafter referred to as "SIFUTE") was founded in 2010,focusing on providing customers with advanced firefighting equipment and fire protection solutions.

Major members have nearly 20 years of technical experiences in the fire industry. They are specializing in engineering design, product performance research, export project integration and supply, installation and project management.

We have unique fire protection solutions in various special industries. SIFUTE provides efficient and convenient products and technical services for users in car painting, printing press, waste shredder machine, rolling mill, cement plant, power plant, computer room etc.

SIFUTE has established agency or close cooperation with many famous firefighting brands, such as: TYCO,ANSUL,VI-KING,RELIABLE,NOTIFIRE,FENWAL,THERMOTECH,PIRANHA,GST,LEADER,TUNA etc. And our products are exported to many countries, Europ,Africa, Middle east, Asia and South America.

Thank you for trusting and choosing SIFUTE. Our development is inseparable from your care. We will continue to work hard as ever to serve the community wholeheartedly and win-win cooperation, and is willing to work with the customer to build a world-class professional supplier of fire products and solutions.



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Non-piped FM200 system



Technical Specifications

Modle	GQQ70/2.5-SS	GQQ90/2.5-SS	GQQ120/2.5-SS	GQQ150/2.5-SS
Storage Pressure	2.5MPa			
Maximum working pressure	4.2MPa			
Gas release time	≤10(s)			
Filling density	≤1150(Kg/m ³)			
bottle volume	70	90	120	150
working temperature	0℃~50℃			
Nominal working pressure of nozzle	1MPa			
Protection radius of single nozzle	≤7.5(m)			
Protection Height of Nozzle	0.3—6.5(m)			
Extinguishing type	Total flooding			
Actuating Voltage	24V, ≤1.6A			
Operation pressure of safety valve	5.6±0.28MPa			
Cabinet dimension L (mm) ×W (mm) ×H (mm)	500×500×1500	500×500×1700	500×500×1900	550×550×1900

Piped FM200 system



Technical Specifications

Filling pressure (MPa)	4.2		5.6
Maximum System Pressure (MPa)	5.3 (Welded storage tank)	6.7 (Seamless steel cylinder)	8
Filling Density (kg/m ³)	≤950	≤1120	≤1080
Specification of Bottles	70L、90L、120L、150L	40L、70L、90L	70L、90L
Working Pressure at 20°C	6(MPa)		
Maximum Working Pressure at 50°C	6.6(MPa)		
Minimum Environmental Temperature	-10°C		
Temperature	0°C~+50°C		
Power Supply	DC24V±3V		

HP CO₂ Gas System



Technical Specifications

Storage Pressure	5.7 MPa@20℃
Bottle Volume (L)	40/70/90
Filling Density (kg/L)	≤0.60
Environmental Temperature(℃)	0~50
Power Supply (V)	Commonly used AC220
	Spare DC24V
CO2 release time (s)	Total flooding ≤60
	local ≥30
starting mode	Electrical Automation
	Electrical Manual
	Mechanical Emergency Manual



IG541 Mixed gas system (Inergen)



|| Technical Specifications

Use ambient temperature	0~50℃
Working pressure	Nominal working pressure (20℃): 15MPa
	Maximum working pressure (50℃) : 17.2MPa
Nominal Volume of Fire Extinguishing Agent Storage Bottles (L)	70/80/90
Nominal filling capacity of fire extinguishing agent storage bottle (1 atm, 20 C) (kg)	15/17/19
Power Supply (V)	DC24±3
System Startup Mode	Electrical Automation, Electrical Manual Mechanical Emergency Manual
Start-up gas filling pressure (20 C) (MPa)	6
Maximum operating pressure of starting gas (50 C) (MPa)	6.6

IG55 / IG100 Mixed Gas System



|| Technical Specifications

Product name	IG55	Product name	IG100
Specification:	90L	Specification:	90L
Agent filling capacity :	19KG	Agent filling capacity :	15.7KG
Nominal pressure :	15.0MPa	Nominal pressure :	15MPa
Maximum working pressure:	17.2MPa	Maximum working pressure:	17.2MPa
Working temperature :	0-50	Working temperature :	0-50℃
Actuating modes :	Electrical Automation, Electrical Manual, Mechanical Manual	Actuating modes :	Electrical Automation, Electrical Manual, Mechanical Manual
Power voltage :	DC24±3V	Power voltage :	DC24±3V
Discharge time :	≤60s	Discharge time :	≤60s

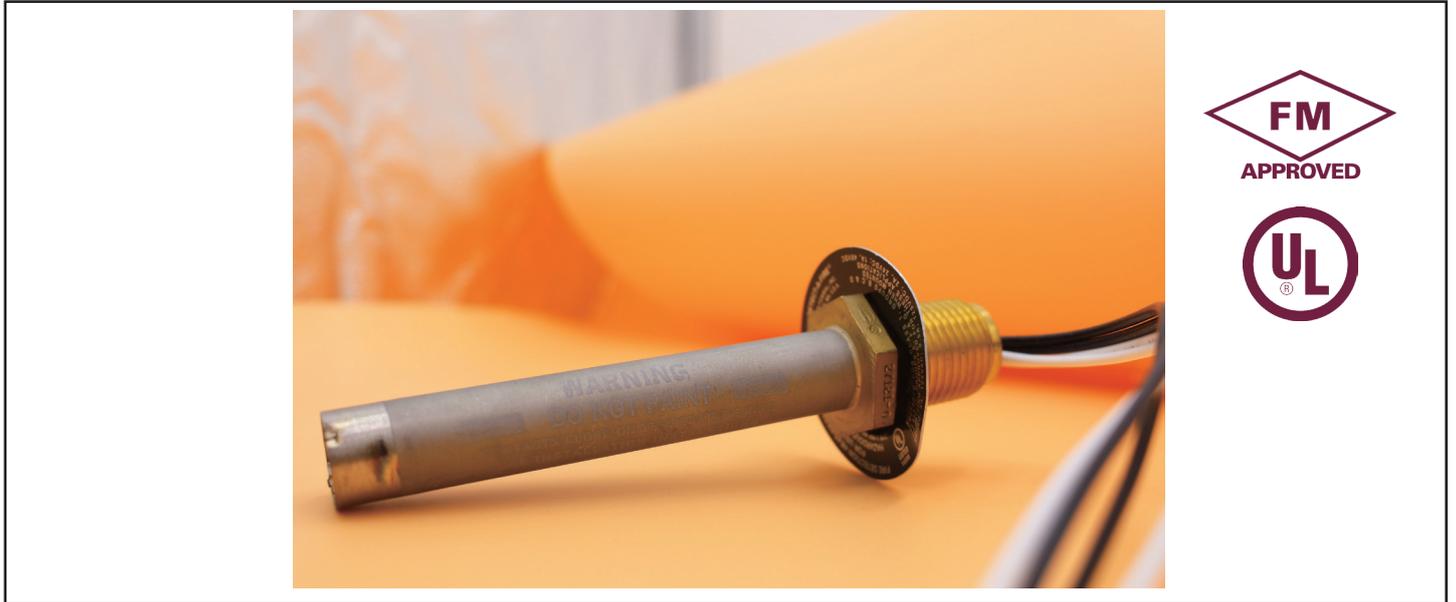
FM200 / CO2 Fire Trace Extinguisher



|| Technical Specifications

Type	Model	Agent filling (kg)	Effective Protected Area(m ³)	Release form	Nominal work pressure
CO2	WZ-QT-6EZ/SS	6	4	Direct form	5.17MPa
	WZ-QT-9EZ/SS	9	6		
	WZ-QT-24EJ/SS	24	16	Indirect form	
	WZ-QT-45EJ/SS	45	30		
FM200	WZ-QT-3QZ/SS	3	4.3	Direct form	2.5MPa
	WZ-QT-6QZ/SS	6	8.6		
	WZ-QT-12QJ/SS	12	17	Indirect form	

FENWAL-27121 Thermo Detector



|| Technical Specifications

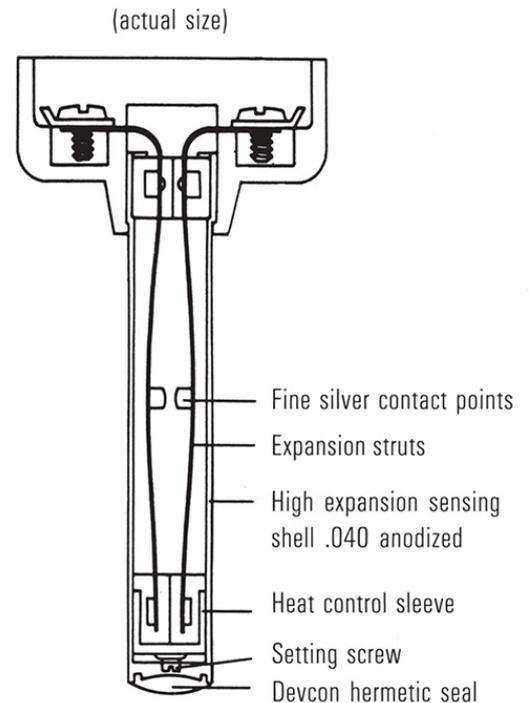
Temperature Sensor Categories	Sensor Setting Temperature (°F)	Typical application temperature (°C)	Maximum application temperature	lower limit action temperature (°C)	Upper limit action temperature (°C)
A	140	25	50	54	65
B	160	36	61	65	76
C	190	53	78	82	93
D	210	64	89	93	104
E	225	72	97	101	112
F	275	99	124	128	141
G	325	127	152	156	169
H	360	146	171	175	188
I	450	193	218	222	241
J	500	221	246	250	269
K	600	274	299	303	328
L	725	341	366	370	399

Thermotech 302-EPM-194 Thermo Detector



Technical Specifications

Total length	100mm
Probe length	75mm
Probe diameter	Ø14mm
Connecting thread	NPT1/2
Rated alarm temperature	maximum operating ambient temperature
135°F (57°C)	100°F (38°C)
194°F (90°C)	150°F (66°C)
Voltage	Current
6-125V AC	5A
6-25V DC	1A
125V DC	0.5A



Dimensions (Model 302): Total overall length 4 1/8".
 Base Diameter: 2".

Point Infrared Flame Detector



Point flame detectors are mainly used in oil refineries, petroleum pipelines, chemical plants, coking plants, oil depots, liquefied gas stations, CNG, LNG, wine depots, paint spraying rooms, drilling platforms, urban gas, boiler rooms, metallurgical industries, pyrotechnics, military, naval equipment, power industries and other places prone to liquid or gas fires, open fires and explosions.

The detector is a functional module structure, which consists of optical structure, sensor unit, MCU logic processing unit and multi-function output unit. According to the different environmental applications, detectors can be divided into infrared single-wavelength, dual-wavelength, three-wavelength, three-wavelength + CCTV, four-wavelength, ultraviolet, double red and single violet, high-speed infrared/ultraviolet composite detectors for customers to choose.

- ◆Self-contained shade
- ◆Profile Patent Design
- ◆Three-port access mode
- ◆Electromagnetic radiation immunity
- ◆Sensitivity of the detector can be set by field hardware.
- ◆Cast aluminium or 316 stainless steel can be selected according to the site environment.
- ◆3 x M25 x 1.5 joint design, can be used for external acoustic and optical alarm
- ◆Specially designed mounting bracket can adapt to various installation environments.
- ◆Built-in two decimal dial switches, which can set the address of the detector
- ◆Imported infrared and ultraviolet sensors with high sensitivity, good stability and anti-interference ability
- ◆Dust-proof, explosion-proof, corrosion-proof and rain-proof design. It can be directly used outdoors without a rain cover.
- ◆Electronic remote control test function: fire simulation, alarm delay, reset, output mode change
- ◆Industrial standard output mode: RS-485, 4-20mA, fire alarm, fault two groups of relay contact output

Point-type combustible gas detector



Point Gas Detector
 JTQB-BK61Ex-LCD(PID)

Point Toxic Gas Detector
 JTQB-BK61Ex-LCD(TO)

Point Oxygen Detector
 JTQB-BK61Ex-LCD(O2)

Technical Specifications

Detection principle	PID photoionic type Electrochemical type	output signal	4-20mA, RS-485, Three-phase Relay Contact Output
Display mode	LED display	Relay capacity	1A/30VDC; 0.5A/125VDC
Accuracy	+ 3%FS	Shell material	Cast Aluminum 316 Stainless Steel
Repeatability	2%	Interface thread	2-M25*1.5 (2-G3/4)
response time	T90 < 20S	Explosion proof grade	Exd II CT6Gb
temperature range	104-158.	Protection level	IP66
Humidity range	Less than 95% RH without condensation	Communication bus	≥ 1.5mm ² Shielded twisted pair
Power supply	10-30VDC	Maximum distance between detector and host	≤ 1000m
Power waste	< 2W (24V)	Service life of sensor	1-10years

Kitchen fire extinguisher



Technical Specifications

Model	Fire extinguisher capacity	Atomizing nozzle	Temperature detector
CMDS13-1-YH	12L×1	7--10	3--5
CMDS20-2YH	12L×2	14--18	7--10
Model	Gas shut-off valve	Protection length	Size
CMDS13-1-YH	On demand	4-6m	390*225*660
CMDS20-2YH	On demand	8-12m	570*225*660
Medicament filling amount	Effective injection time	Using temperature	
12L	≥30S	0-55℃	
Dirving gas filling amount	Driving gas filling pressure	Types of fighting	
150g	7MPa	Oil pot fire	

Water Extngshing Agent Series



Manual Fire Monitor



Technical Specifications

flow	60~70~80L/S@1.2Mpa
Range	≥ 75m@1.2Mpa
Rated working pressure	1.2Mpa
Adjustment angle	The level is 360 degrees, the upper and lower -45~90 degrees, the maximum spray angle 120 degrees.
Inlet size	DN100 flange

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Flow	24L/S 64L/S
Texture of material	Stainless steel
Range	45m (PL24)
	65m (PL64)
Manipulation mode	Manual
Working pressure	1.0Mpa
Rotation angle	Horizontal 180 degrees, pitch-45 degrees + 90 degrees

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Fire fighting lance



|| Technical Specifications

Weight	1.8kg
Inlet size	1.5 inches/2 inches/2.5 inches
Range	≥45m@0.6bar
Interface type	Internal buckle/medium pressure card
Working pressure	100PSI (7 bar)Maximum pressure360PSI (25bar)
Maximum spray angle	120°

Weight	4.5kg
Inlet size	1.5 inches/2 inches/2.5 inches
Range	≥55m@0.7bar
Interface type	Internal buckle/medium pressure card
Working pressure	100PSI (7 bar)Maximum pressure360PSI (25bar)
Maximum spray angle	120°

Wet alarm valve



Technical Specifications

Size	4" (DN100)		6" (DN150)	
	Flange	Groove	Flange	Groove
Inlet Connection Style	Flange	Groove	Flange	Groove
Outlet Connection Style	Flange	Groove	Flange	Groove
Shipping Weight	55 lbs/25 kg	51 lbs/23 kg	75 lbs/34 kg	66 lbs/30 kg
Max. Working Pressure	175 psig/1.2 MPa (12 bar)			
Factory Hydro Test	100% @ 350 psig/2.4 MPa (24 bar)			
Standard Finish	Red Painted			
Flange & Groove Specification	Flange: Class 150 ANSI B16.1& Groove: C606 ANSI/AWWA			
Required Accessories	Standard Trim			
Optional Accessories	Retard Chamber, Water Motor Alarm, Alarm Pressure Switch			
Installation Manner	Vertically			
Listings and Approvals	UL			

Fire sprinkler



Technical Specifications

Model & Sprinkler I.D. No.	NX003	NX004	NX005	NX006	NX007	NX008	NX017	NX018
Style	Upright		Pendent		Concealed Pendent		Horizontal Sidewall	
Bulb Nominal Dia . & Response	Ø5mm, Standard	Ø3mm, Quick	Ø5mm, Standard	Ø3mm, Quick	Ø5mm, Standard	Ø3mm, Quick	Ø5mm, Standard	Ø3mm, Quick
Thread Size [Optional]	<input type="checkbox"/> NPT1/2 or <input type="checkbox"/> R1/2							
Nominal Orifice Size	1/2 Inch							
Nominal K-Factor	5.6 (U.S.)/80 (metric)							
Max. Working Pressure	175 psig/1.2 MPa (12 bar)							
Factory Hydrostatic Test	100% @ 500psig (3.4 MPa)							
Min. Operating Pressure	7 psig/0.048 MPa (0.48 bar)							
Sprinkler Finish [Optional]	<input type="checkbox"/> Natural Brass or <input type="checkbox"/> Chrome Plated or <input type="checkbox"/> White Painted							
Escutcheon Finish	<input type="checkbox"/> Chrome Plated or <input type="checkbox"/> Color Coated In Any Color							
Listings and Approvals	UL(United States)/ULC(Canada)							

Pressure Type Foam Proportioning Mixing Device



Model	Calibration of Import Pressure (MPa)	Import pressure range (MPa)	Calibration of Mixed Liquid Flow (L/S)	Flow range of mixed liquids (L/S)	Mixing ratio (%)	Net weight (T)
PHYM32-1500	1.6	0.6-1.6	32	8-32	3or6	1
PHYM32-2000						1.4
PHYM32-3000						1.8
PHYM48-5500			48	12-48		2.6
PHYM64-7600			64	16-64		3
PHYM80-8000			80	46-80		3.1
PHYM80-10000			4			
PHYM160-13000			5			
PHYM160-15000			160	32-160		5.6

QP Foam gun

Mobile foam tank fire extinguishing device



Model	QP4	QP8
Flow	4L/S	8L/S
Rating pressure	0.6MPa	0.6MPa
Interface size	2.5 inch	

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Model	Tank volume (L)	Working pressure (MPa)	Flow of mixed liquid (L/S)	Injection time (min)	Injection distance (M)
PY4/100	100	0.6-1.1	4	≥6	≥10
PY4/200	200			≥12	
PY8/300	300		8	≥9	
PY8/500	500			≥15	
PY8/1000	1000			≥20	

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Foam chamber



Model	Rating import pressure (MPa)	Rated mixed flow rate (L/S)	Foam expansion ratio	Connecting flange	Air foam volume
PC4/PCL4	0.5	4	6	DN50	20
PC8/PCL8		8		DN65	40
PC16/PCL16		16		DN80	80
PC24/PCL24		24		DN100	120

PC air foam generator mainly consists of three parts: shell, foam nozzle and guide plate.

When the mixture flows through the nozzle of the foam nozzle, a diffusion atomizing jet is formed, resulting in negative pressure around it, thus inhaling a large amount of air to form an air foam. The air foam nozzle and guide plate enter the storage tank and move along the tank wall, which is covered on the combustion liquid surface smoothly and extinguish the fire.

DOT certificated bottles



DOT certificated bottles



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