

60 YEARS MANUFACTURING 130
COUNTRIES DISTRIBUTED

GLOBAL FLUID CONVEYING SOLUTION EXPERT

Meide Fire Sprinkler

Global leading manufacturer and solution expert in firefighting products



CORE VALUES:

- Customer oriented
- Quality focused
- Thriving through innovations
- Achieving win-win through cooperation



Address: Meide Science & Technology Park, Industrial Park Pingyin, Jinan, China 250400

E-mail: tab.li@meide-casting.com

Phone: (86)-15866768715

Website: www.meide-casting.com





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INTRODUCTION

INTRODUCTION

GLOBAL FLUID CONVEYING SOLUTION EXPERT

GLOBALIZATION

WORLD-CLASS

INTELLIGENCE

FRONTRUNNER



MEIDE Industrial Technology City

Founded in 1961, Meide Group has developed into a modern and diversified multinational enterprise group focusing on fluid conveying products and services. It has 9 intelligent manufacturing bases at home and abroad in Jinan, Linyi, Tai 'an, Weihai, Hebi, Zhaoqing, Thailand, Vietnam and Poland, with totally 21 factories, covering more than 3.3 million m² floor area with about 12,000 employees. Meide Group has formed a cross-regional, multi-base, and global development pattern. The products have been well distributed to more than 130 countries and regions around the world, and the products and services have been successfully applied to 12 fields such as water, fire, gas, HVAC, thermal force and other major landmark projects around the world, including Burj Khalifa in Dubai, New World Trade Center in New York, Shanghai Central Tower, West-to-East Electricity Transmission Project and Beijing-Shanghai High-speed Railway.

Meide Group is capable to supply the full range of products, including malleable iron pipe fittings, ductile iron grooved pipe fittings & couplings, stainless steel press fittings, carbon steel press fittings, valves, ERW pipes, spiral steel pipes, stainless steel metal hoses, electrical fittings, water meters & gauges, anti-vibration brackets, ring lock scaffoldings, pig iron, counter weight iron, grout sleeves, etc., with an annual capacity of more than 2 million tons. Meanwhile, Meide Group can provide related services such as BIM design, factory prefabrication, digital installation, smart water affairs, fire protection, thermal management platforms and digital production solutions such as industrial MES, intelligent storage, intelligent hardware, and intelligent factories planning consultation.

Meide Group is the drafter of dozens of national and industry standards, has obtained more than 800 patents. Meide Group has won more than 400 honors including National Green Factory, National Enterprise Technology Center, Postdoctoral Scientific Research Station, National Standard Formulation Unit, China's Top 100 Light Industry Enterprises, and single champion recognized by Ministry of Industry and Information Technology Manufacturing.

Meide Group adheres to the corporate culture with struggle, innovation, tolerance and sharing. Meide Group will unswervingly promote the global layout, carry out the intelligent manufacturing to the end, and benefit global users with digital capabilities.

GLOBALIZATION

WORLD-CLASS

INTELLIGENCE

FRONTRUNNER

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COMPANY PROFILE

> COMPANY MISSION

Provide safe & reliable products and smart & complete solutions to clients in fluid conveying industry across the globe.

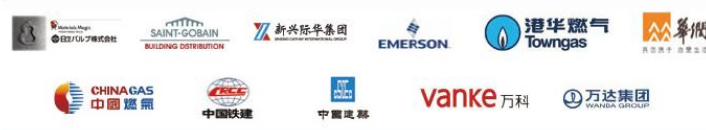
> WORLDWIDE DISTRIBUTION CHANNEL

Sales covering more than 130 countries and regions



> STARTING FROM 1961, IMPELLED WITH CONTINUOUS INNOVATION, MEIDE IS ALWAYS THE FIRST CHOICE OF GLOBAL CUSTOMERS

Distributed to more than 130 countries and regions, complete product specifications and excellent quality.



MEIDE

> INDUSTRIAL LEADER

Drafting of National & Industry Standards

- Supplying high-quality, cost-effective products and services of international standard for global clients.
- Malleable Iron Pipe Fittings: No. 1 in global market share, with annual output of 130,000 tons.
- Grooved Fittings & Couplings: No. 1 in output, with annual output of 100,000 tons.
- Electrical Fittings: No. 1 in global market share, with annual output of 60,000 tons.



2,660,000+
2,660,000(m²) + Floor Area



2,000,000+
2,000,000(TON)+ Annual Capacity



12,000+
12,000+ Employees



800+
800+ R&D Engineers



400+
400+ Patents

Meide Group invests more than 5% of sales revenue in R&D every year, and established a modern R&D platform for technology, talent, knowledge and quality management. Product and technology R&D cover the full range of pipeline fluid conveying products, providing continuously popular new products to the markets.

Meide Group is capable to supply full range of products including carbon steel pipes, valves, malleable iron pipe fittings, grooved pipe fittings & couplings, stainless steel pipes, press fittings, flexible hoses, anti-vibration bracket, etc.



R & D

> GREEN FACTORY

Meide Group is committed to sustainable development, effective use of energy, elimination of harmful substances emission, prevention of environmental pollution, recycling of waste, and manufacturing of environmentally friendly products. In 2018, Meide Group was accredited GREEN FACTORY title by MIIT, the largest green factory in the foundry industry of China



▲ World-class Advanced Sewage Treatment Station



▲ Reclaimed Water Utilization



Application Fields and Advantages of "MECH" Fire Sprinkler Products

APPLICATION

Automatic fire sprinkler system (including wet system, dry system, pre action system, rain shower (water curtain) system)

Product advantages:

Strong corrosion resistance:

Manufactured with high-quality materials, it has excellent corrosion resistance and can work stably for a long time under various harsh environmental conditions.

Accurate sensing:

Adopting advanced thermal sensitive technology, it can quickly and accurately sense the temperature change when a fire occurs and start spraying water in time to effectively extinguish the fire source.

Rapid response:

It can respond quickly in the early stage of a fire, which helps to control the spread of fire, seize the best fire extinguishing opportunity and reduce the losses caused by fire.

Reliable quality:

With a strict quality control system and testing equipment, it ensures the stable performance of the sprinkler and low failure rate. It can play a role at critical moments and provide reliable protection for life and property safety.

Wide coverage:

The water spray shape and flow rate are reasonably designed to provide a large coverage area and ensure that there are no blind spots for fire extinguishing in the protected area.

Easy installation:

Its design may be convenient for installation, improve construction efficiency and save installation time and cost.

Product Introduction

K80

MECH Fire sprinkler

- MODEL:

ZSTZ / ZSTX / ZSTBS

K-ZSTZ / K-ZSTX / K-ZSTBS

T-ZSTZ / T-ZSTX / T-ZSTBS

Three installation methods: upright type, pendant type, and horizontal sidewall type.

Three sensitivities: fast response, standard response, and special response.



Model	Product	Installation Method	Response Type	Thread	Rated Pressure (Mpa)	Diameter (mm)	RTI
K-ZSTZ80-68℃ Q3J	Upright rapid response sprinkler(JOB)	Upright	Quick	R1/2	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTZ80-68℃ Q5J	Vertical Special Response Sprinkler(JOB)		Special	R1/2	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTX80-68℃ Q3J	Pendant rapid response sprinkler(JOB)	Pendant	Quick	R1/2	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTX80-68℃ Q5J	Pendant Special Response Sprinkler(JOB)		Special	R1/2	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTBS80-68℃ Q3J	Horizontal wall type quick response sprinkler(JOB)	Horizontal wall	Quick	R1/2	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTBS80-68℃ Q5J	Horizontal wall type special response sprinkler(JOB)		Special	R1/2	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTZ80-68℃ Q3	Vertical rapid response sprinkler	Upright	Quick	R1/2	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTZ80-68℃ Q5	Vertical special response sprinkler		Special	R1/2	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTX80-68℃ Q3	Suspended rapid response sprinkler	Pendant	Quick	R1/2	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTX80-68℃ Q5	Suspended special response sprinkler		Special	R1/2	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTBS80-68℃ Q3	Horizontal wall type quick response sprinkler	Horizontal wall	Quick	R1/2	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTBS80-68℃ Q5	Horizontal wall type special response sprinkler		Special	R1/2	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}

- 1. The operating temperature can produce sprinklers with temperatures such as 57℃, 68℃, 79℃, 93℃, 141℃, and 182℃ according to user needs.
- 2. Regarding sensitivity, standard response sprinklers can be produced according to user needs.
- 3. Before leaving the factory, 100% of the sprinklers are subjected to a hydrostatic pressure test of 3.0 MPa.
- 4. Before leaving the factory, 100% of the sprinklers are tested for the integrity of the glass bulb.
- 5. The "J" at the end of the model represents the use of German JOB glass bulbs and JOB shim pads. Those without markings use glass bulbs made in China.

Operating Temperature/℃	Color
57	橙
68	红
79	黄
93	绿
141	蓝
182	紫

- Storage temperature: -15℃~40℃

Product Introduction

K115

MECH Fire sprinkler

MODEL:

ZSTZ / ZSTX / ZSTBS

K-ZSTZ / K-ZSTX / K-ZSTBS

T-ZSTZ / T-ZSTX / T-ZSTBS

Three installation methods: upright type, pendant type, and horizontal sidewall type.
Three sensitivities: fast response, standard response, and special response.



Model	Product	Installation Method	Response Type	Thread	Rated Pressure (Mpa)	Diameter (mm)	RTI
K-ZSTZ115-68℃ Q3J	Upright rapid response sprinkler(JOB)	Upright	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTZ115-68℃ Q5J	Vertical Special Response Sprinkler(JOB)		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTX115-68℃ Q3J	Pendant rapid response sprinkler(JOB)	Pendant	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTX115-68℃ Q5J	Pendant Special Response Sprinkler(JOB)		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTBS115-68℃ Q3J	Horizontal wall type quick response sprinkler(JOB)	Horizontal wall	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTBS115-68℃ Q5J	Horizontal wall type special response sprinkler(JOB)		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTZ115-68℃ Q3	Vertical rapid response sprinkler	Upright	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTZ115-68℃ Q5	Vertical special response sprinkler		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTX115-68℃ Q3	Suspended rapid response sprinkler	Pendant	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTX115-68℃ Q5	Suspended special response sprinkler		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTBS115-68℃ Q3	Horizontal wall type quick response sprinkler	Horizontal wall	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTBS115-68℃ Q5	Horizontal wall type special response sprinkler		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
1. The operating temperature can produce sprinklers with temperatures such as 57℃, 68℃, 79℃, 93℃, 141℃, and 182℃ according to user needs. 2. Regarding sensitivity, standard response sprinklers can be produced according to user needs. 3. Before leaving the factory, 100% of the sprinklers are subjected to a hydrostatic pressure test of 3.0 MPa. 4. Before leaving the factory, 100% of the sprinklers are tested for the integrity of the glass bulb. 5. The "J" at the end of the model represents the use of German JOB glass bulbs and JOB shim pads. Those without markings use glass bulbs made in China.							

Operating Temperature/°C	Color
57	橙
68	红
79	黄
93	绿
141	蓝
182	紫

Storage temperature: -15°C~40°C

Product Introduction

K161

MECH Fire sprinkler

MODEL:

ZSTZ / ZSTX / ZSTBS

K-ZSTZ / K-ZSTX / K-ZSTBS

T-ZSTZ / T-ZSTX / T-ZSTBS

Three installation methods: upright type, pendant type, and horizontal sidewall type.
Three sensitivities: fast response, standard response, and special response.



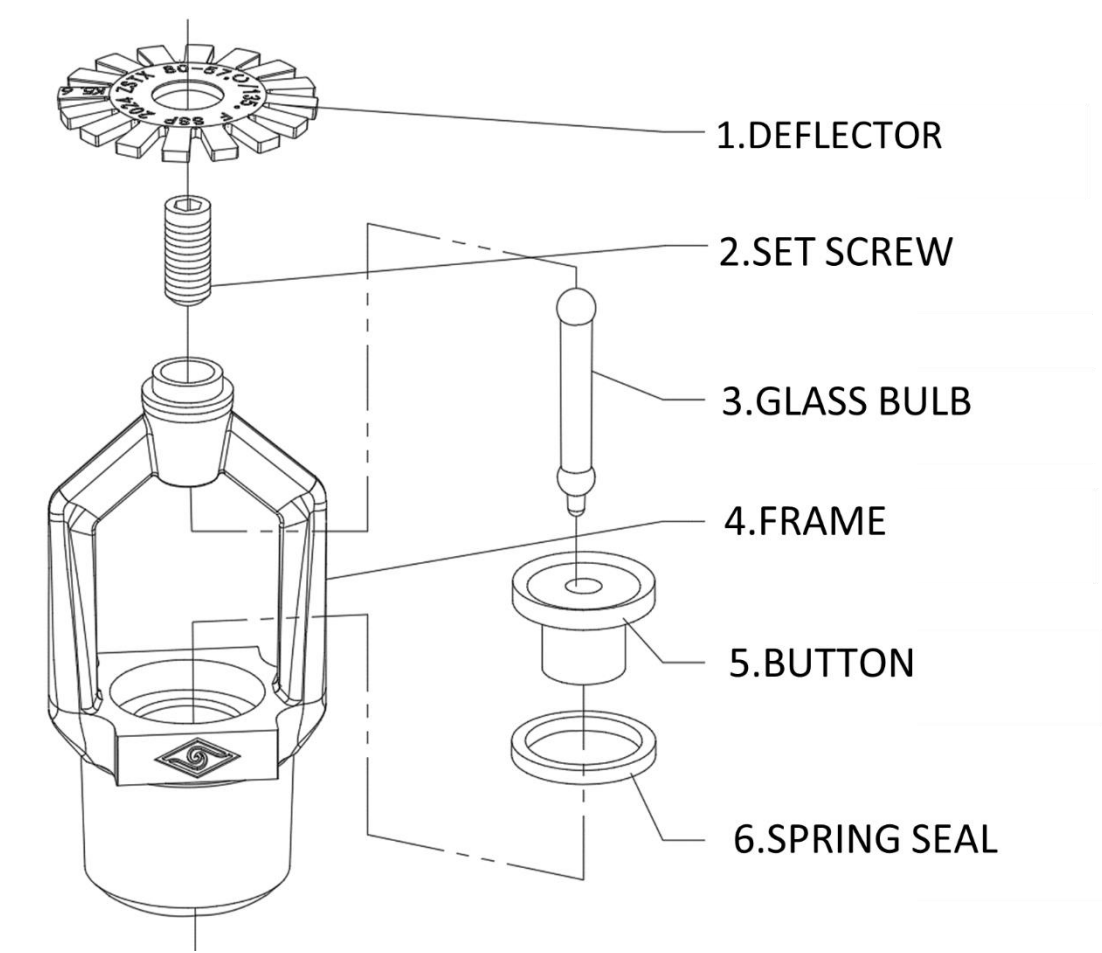
Model	Product	Installation Method	Response Type	Thread	Rated Pressure (Mpa)	Diameter (mm)	RTI
K-ZSTZ161-68°C Q3J	Upright rapid response sprinkler(JOB)	Upright	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTZ161-68°C Q5J	Vertical Special Response Sprinkler(JOB)		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
K-ZSTX161-68°C Q3J	Pendant rapid response sprinkler(JOB)	Pendant	Quick	R3/4	175psi/1.2Mpa	Φ3	≤50 (m . s) ^{0.5}
T-ZSTX161-68°C Q5J	Pendant Special Response Sprinkler(JOB)		Special	R3/4	175psi/1.2Mpa	Φ5	50~80 (m . s) ^{0.5}
1. The operating temperature can produce sprinklers with temperatures such as 57°C, 68°C, 79°C, 93°C, 141°C, and 182°C according to user needs. 2. Regarding sensitivity, standard response sprinklers can be produced according to user needs. 3. Before leaving the factory, 100% of the sprinklers are subjected to a hydrostatic pressure test of 3.0 MPa. 4. Before leaving the factory, 100% of the sprinklers are tested for the integrity of the glass bulb. 5. The "J" at the end of the model represents the use of German JOB glass bulbs and JOB shim pads. Those without markings use glass bulbs made in China.							

Operating Temperature/°C	Color
57	橙
68	红
79	黄
93	绿
141	蓝
182	紫

Storage temperature: -15°C~40°C

Product Structure and Standards

MECH Fire sprinkler head



Standard Type	Standard
Product Standards	GB 5135.1-2019
Installation Standards	NFPA-13