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PRODUCT CATALOGUE

SERVICE NEVER ENDS



Company Profile

SERVICE NEVER ENDS

Jinyuan Technology Development Co., Ltd. (formerly: Quanzhou Jinyuan Fire Fighting Plumbing Co., Ltd.) was established in 2000. It is located in the southeast coast of Fujian Province, the middle reaches of Jinjiang River, and is located in Nan'an City, which is known as the "Beach Zoulu". It is a national high-tech enterprise integrating the design, research and development, production, sales and service of valves and fire-fighting products. The products cover valves and fire-fighting equipment, with many varieties and complete specifications. The products sell well all over the country, and the products are exported to Europe, America, Southeast Asia and other countries.

Jinyuan Technology Development Co., Ltd. is the chairman unit of Nan'an Fire Fighting Equipment Association and the vice chairman unit of Nan'an Haisi Pan Household Industry Association. The company has passed management system certifications such as ISO9001 quality management system, ISO14001 environmental management system, ISO45001

occupational health and safety management system, GB/T29490 intellectual property management system, GB/T23001 two-industry integration management system, GB/T27922 product after-sales service evaluation system, etc. At the same time, it has established long-term cooperative relations with domestic first-class enterprises. The company relies on the ERP system for refined production management, purchase management, sales management, warehouse management, financial management, etc. With sophisticated processing equipment and professional testing and inspection equipment, it provides excellent quality assurance for the "Jinyuan" brand. The company adheres to the strategy of technological innovation, has core independent intellectual property rights in key technologies, and has obtained more than 50 patents in the field of technological innovation. It has successively been recognized as a national high-tech enterprise, an intellectual property advantage enterprise in Fujian Province, a leading enterprise of small science and

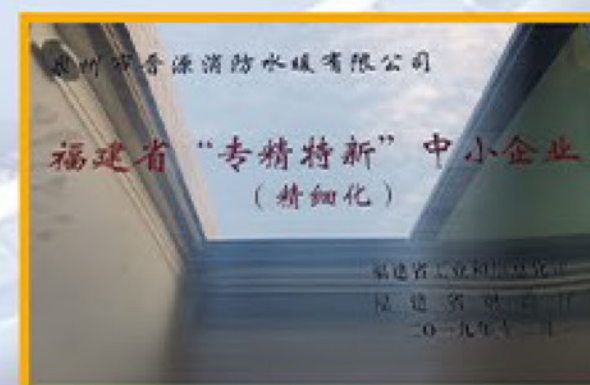
technology giants in Fujian Province, a science and technology enterprise in Fujian Province, a special new small and medium-sized enterprise in Fujian Province, and an intellectual property pilot enterprise in Quanzhou City, Fujian Province. In recent years, the company has been awarded a number of honors such as Fujian Contract-abiding and Credit-abiding Unit, Quanzhou Contract-abiding and Credit-abiding Unit, Nan'an Private Industrial Leading Enterprise, Nan'an Integrity Demonstration Enterprise, Quanzhou Gazelle Enterprise, etc. The registered trademark "Jinyuan" was recognized as a well-known trademark in Fujian Province and a well-known trademark in Quanzhou. With technological advantages, Jinyuan products enjoy a high market reputation.

Our company adheres to the core values of "integrity, innovation, and professionalism", adheres to the concept of "customer focus", and "creates a first-class brand, makes industry fine products" as the quality policy, and is committed to becoming a first-class brand enterprise in the industry.



SERVICE NEVER ENDS

Qualification & Honor



SERVICE NEVER ENDS

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Standard Response Sprinkler



T-ZSTX80-68°C Q5



T-ZSTZ80-68°C Q5



T-ZSTBS80-68°C Q5



T-ZSTX115-68°C Q5



T-ZSTZ115-68°C Q5



T-ZSTBS115-68°C Q5

PRODUCT DESCRIPTION

The ZST glass ball sprinkler is a key component in the automatic sprinkler system, which can be used to detect fires and extinguish fires through automatic sprinklers.

ZST type glass ball sprinkler is assembled by glass ball (temperature sensing element), copper alloy frame and seal. The nozzle frame is precision forged with copper alloy, with high strength, strong corrosion resistance, and the surface is polished and chrome-plated. Various specifications and models are available for users to choose; the glass ball (temperature sensing element) and the sealing gasket are made of high-quality imported materials that are resistant to aging and corrosion. The glass ball has high strength, reliable action and fast reaction speed.

PRODUCT PARAMETERS

specification	Installation form	Operating temperature	Nominal diameter	Interface threads	Flow coefficient (K)
T-ZSTX80-68°C Q5	Pendent	68°C	DN15	R 1/2	80±4
T-ZSTZ80-68°C Q5	Upright				
T-ZSTBS80-68°C Q5	Sidewall				
T-ZSTX115-68°C Q5	Pendent	68°C	DN20	R 3/4	115±6
T-ZSTZ115-68°C Q5	Upright				
T-ZSTBS115-68°C Q5	Sidewall				

Quick Response Sprinkler



K-ZSTX80-68°C Q3



K-ZSTZ80-68°C Q3



K-ZSTBS80-68°C Q3



K-ZSTX115-68°C Q3



K-ZSTZ115-68°C Q3



K-ZSTBS115-68°C Q3

PRODUCT DESCRIPTION

1. The quick-response printhead has a faster response and is more sensitive.
2. After the glass column is broken, the quick-response nozzle will spray a larger amount of water than ordinary nozzles, which can directly reach the ignition point. The quick-response nozzle will spray a large amount of water under high pressure (generally, the pressure is greater than or equal to 0.35Mpa), and there can be sufficient water. amount of water used to extinguish the fire.
3. When a fire occurs, the center of the sprinkler will spray a strong water column, which can pass through the shelf to extinguish, not only extinguish the fire on the upper part of the shelf, but also extinguish the fire at the bottom of the shelf.

PRODUCT PARAMETERS

specification	Installation form	Operating temperature	Nominal diameter	Interface threads	Flow coefficient (K)
K-ZSTX80-68°C Q3	Pendent	68°C	DN15	R 1/2	80±4
K-ZSTZ80-68°C Q3	Upright				
K-ZSTBS80-68°C Q3	Sidewall				
K-ZSTX115-68°C Q3	Pendent	68°C	DN20	R 3/4	115±6
K-ZSTZ115-68°C Q3	Upright				
K-ZSTBS115-68°C Q3	Sidewall				

Standard Response Sprinkler



T-ZSTBS80-68°C Q5



T-ZSTZ80-68°C Q5



T-ZSTBS80-68°C Q5



T-ZSTX80-68°C Q5



T-ZSTZ115-68°C Q5



T-ZSTBS115-68°C Q5

PRODUCT DESCRIPTION

The ZST glass ball sprinkler is a key component in the automatic sprinkler system, which can be used to detect fires and extinguish fires through automatic sprinklers.

ZST type glass ball sprinkler is assembled by glass ball (temperature sensing element), copper alloy frame and seal. The nozzle frame is precision forged with copper alloy, with high strength, strong corrosion resistance, and the surface is polished and chrome-plated. Various specifications and models are available for users to choose; the glass ball (temperature sensing element) and the sealing gasket are made of high-quality imported materials that are resistant to aging and corrosion. The glass ball has high strength, reliable action and fast reaction speed.

PRODUCT PARAMETERS

specification	Installation form	Operating temperature	Nominal diameter	Interface threads	Flow coefficient (K)
T-ZSTX80-68°C Q5	Pendent	68°C	DN15	R 1/2	80±4
T-ZSTZ80-68°C Q5	Upright				
T-ZSTBS80-68°C Q5	Sidewall				
T-ZSTX115-68°C Q5	Pendent	68°C	DN20	R 3/4	115±6
T-ZSTZ115-68°C Q5	Upright				
T-ZSTBS115-68°C Q5	Sidewall				

Quick Response Sprinkler



K-ZSTX80-68°C Q3A



K-ZSTZ80-68°C Q3A



K-ZSTBS80-68°C Q3A



K-ZSTX115-68°C Q3A



K-ZSTZ115-68°C Q3A



K-ZSTBS115-68°C Q3A

PRODUCT DESCRIPTION

1. The quick-response printhead has a faster response and is more sensitive.
2. After the glass column is broken, the quick-response nozzle will spray a larger amount of water than ordinary nozzles, which can directly reach the ignition point. The quick-response nozzle will spray a large amount of water under high pressure (generally, the pressure is greater than or equal to 0.35Mpa), and there can be sufficient water amount of water used to extinguish the fire.
3. When a fire occurs, the center of the sprinkler will spray a strong water column, which can pass through the shelf to extinguish, not only extinguish the fire on the upper part of the shelf, but also extinguish the fire at the bottom of the shelf.

PRODUCT PARAMETERS

specification	Installation form	Operating temperature	Nominal diameter	Interface threads	Flow coefficient (K)
K-ZSTX80-68°C Q3	Pendent	68°C	DN15	R 1/2	80±4
K-ZSTZ80-68°C Q3	Upright				
K-ZSTBS80-68°C Q3A	Sidewall				
K-ZSTX115-68°C Q3A	Pendent	68°C	DN20	R 3/4	115±6
K-ZSTZ115-68°C Q3A	Upright				
K-ZSTBS115-68°C Q3A	Sidewall				

Early Suppression Fast Response Sprinkler

PRODUCT DESCRIPTION

Early Suppression Fast Response (ESFR) sprinklers are capable of early suppression of high hazard fires with fast response and water flow rates. Special high-flow sprinklers for protecting high-stack and high-bay warehouses are specially designed to deal with high-risk warehouse fires.

ESFR sprinkler has excellent performance of fast response. Under the action of fast response and water flow rate, the sprinkler can perform early extinguishing of high-risk fires.

PRODUCT PARAMETERS

Model specification	Flow coefficient	Nominal temperature	Work pressure	Connection thread
ESFR-202/68°C U	202 ± 7	68°C	1.2Mpa	R3/4
ESFR-202/68°C P				
ESFR-242/74°C U	242 ± 7	74°C		R3/4
ESFR-242/74°C P				
ESFR-363/74°C U	363 ± 9			
ESFR-363/74°C P				R1



Water Curtain Sprinkler

PRODUCT DESCRIPTION

ZSTM series water curtain sprinkler is one of the important components in the water curtain system, mainly used for fire partition and protective cooling. It is often used in conjunction with fire curtains, fire shutters, doors and windows and glass curtains, and is often installed on windows, cornices, protective walls and the protection of fire shutters in buildings.

PRODUCT PARAMETERS

Model	Size	Flow coefficient	Spray angle	Connection thread
ZSTMA-G-38/150°	25 × 28 × 35	38	150 ± 10	R1/2
ZSTMA-G-60/160°	30 × 34 × 30	60	160 ± 10	R3/4
ZSTMA-G-40/160°	25 × 28 × 42	40	160 ± 10	R1/2
ZSTMA-G-45/160°	30 × 34 × 54	45	160 ± 10	R3/4
ZSTMA-G-60/160°	42 × 48 × 72	60	160 ± 10	R1



Other Sprinkler



ESFR-202/68°C U



ESFR-242/74°C U



ESFR-363/74°C U



ESFR-202/68°C P



ESFR-242/74°C P



ESFR-363/74°C P



Sprinkler cover



Sprinkler cover



Concealed Sprinkler



Sprinkler with cover



Suspended sprinkler



High pressure water mist sprinkler

Spiral sprinkler



ZPJT
Spiral nozzle

PRODUCT DESCRIPTION

The spiral nozzle is a solid conical or hollow conical spray nozzle with a spray Angle ranging from 50° to 170° at 300 pressure and a liquid flow rate ranging from 5.5 to 4140 L/min. This compact nozzle has a non-clogging core-free through-flow channel design, which can greatly reduce liquid blockage and achieve large flow rates on pipelines of a given size. The spray mode has two kinds of solid cone and hollow cone, which has high efficiency, large spray Angle and anti-blocking.

Water curtain nozzle

PRODUCT DESCRIPTION

ZSTM series water curtain nozzle is one of the important components of the water curtain system, mainly used for fire partition and protection, cooling. It is often used with fire curtains, fire curtains, doors and Windows and glass curtains, and is often installed with Windows, cornice, protective walls and protection of fire curtains in buildings.

PRODUCT PARAMETERS

Model	Installation mode	Connecting thread	Flow coefficient	spread Angle	Minimum working pressure
ZSTMA-T21.5/150	Pendent or horizontal mounting	R1/2	21.5	150°	0.1MPa
ZSTMA-T33/150			33		
ZSTMB-T18/120			8	120°	
ZSTMB-T28/120			18		
ZSTMB-T35/120			28		
ZSTMB-T50/120		35			
ZSTMB-T8/120		R3/4	50		



ZSTMA-T15/20/25
Water curtain nozzle
(vertical mounting)



ZSTMB-T15/20/25
Water curtain nozzle
(horizontal installation)

Water mist nozzle

PRODUCT DESCRIPTION

Water spray nozzle is usually combined with water supply pipe network, control valve, detection alarm and other automatic sprinkler system (such as rain sprinkler system, etc.), used to fight electrical equipment, flammable liquid fire, etc. The water spray nozzle can be installed horizontally or in the pendent direction according to needs. Special specifications of water mist nozzle, such as oval water mist, rectangular water mist, etc., can be used for water curtain isolation.



ZSTWC-15/20/25
Spray nozzle



ZSTWC-15/20/25
Spray nozzle



ZSTWB-15/20/25
Water mist nozzle



ZSTWB-15/20/25
Water mist nozzle
(with filter)



ZSTWB-15/20/25
Spray nozzle
(centrifugal)

Foam sprinkler

PTS-15/20
Cartridge water/
foam sprinkler



PRODUCT DESCRIPTION

The PTS foam nozzle is a special fire-fighting component for generating and spraying air foam, mainly used in the low-expansion foam spray system. The foam mixture is transported to the foam nozzle through the pipeline, and air is inhaled before the exit of the foam nozzle to form air foam, which is sprayed in the protected danger area to achieve the purpose of fire extinguishing.



PT-15/20/25
Foam nozzle



PT-15/20/25
Foam nozzle

WORKING PRINCIPLE

When the foam mixture with a certain pressure flows through the inner cavity of the foam nozzle, the flow rate increases and the pressure decreases due to throttling, forming negative pressure, inhaling air, and forming a certain multiple of air foam through the scattering effect in the nozzle.

Rain shower head



PRODUCT DESCRIPTION

The B-DSXC rain sprinkler is a new type of sprinkler which uses the water distribution cavity of the sprinkler to rotate the sprinkler to extinguish the fire, and has two starting working modes.

When the thermosensitive glass ball is used, it is used as a closed nozzle. The closed sprinkler has two kinds of quick response and standard response. When the thermosensitive glass ball is not used, the closed sprinkler is used as an open rotary sprinkler, and the sprinkler spray is controlled by the rain valve. It is suitable for rain system designed according to GB50084 standard.

PRODUCT PARAMETERS

Dynamic heat energy	Meet the requirements of GB5135.1-2019	Continuous rotary spray	≥2
Tightness and compressive strength	Meet the requirements of GB5135.1-2019	Installation mode	Droop mode/upright mode/side wall mode (water inlet can be vertically installed with side wall)
Rated working pressure	0.2MPa	Pipe connection thread	"3/4" "1"
Thermal response index	RTIs50+9(m.s)0.5	Flow coefficient	K=142, K=170, K=202, K=242, K=353
Effective coverage radius	6m	Sprinkler installation spacing	8.5m
Mounting height range	3-18m	Executive standard	GB/T25205-2010
Maximum ambient temperature	40°C	Operating temperature	68°C±3°C

Dry Fire Sprinkler

PRODUCT DESCRIPTION

When the dry nozzle works normally, there is a pipe plug with an elastic sealing washer at the nozzle entrance to prevent water from entering the nozzle. In case of fire, the glass bubble of the nozzle bursts, the glass bubble and glass bubble base fall off, and the compressed spring in the nozzle extends, pushing the water pipe and pipe in the direction of the nozzle. At the same time, the sleeve connected with the pipe plug is pulled downward. Make the tube plug and spring washer leave the inlet position, water enters the nozzle, and the nozzle spray-water.

PRODUCT PARAMETERS

Model	T-ZSTGX80-68°C Q5	T-ZSTGX115-68°C Q5	K-ZSTGX80-68°C Q3	K-ZSTGX115-68°C Q3
Diameter of thread	Standard order: 1" NPT(DN25)			
Flow coefficient	80±6	115±9	80±6	115±9
Operating temperature	68°C			
Minimum and maximum order length	76.5mm~1422.8mm			

Concealed Fire Sprinkler

Temperature color scale



ZSTDY115-68°C Q5



ZSTDY115-57°C Q5



ZSTDY115-79°C Q5



ZSTDY115-93°C Q5



ZSTDY115-68°C Q3



ZSTDY115-57°C Q3



ZSTDY115-79°C Q3



ZSTDY115-93°C Q3

PRODUCT DESCRIPTION

ZSTDY15-68°C concealed sprinkler is divided into two kinds of fast response (3mm glass ball) and ordinary response (5mm glass ball). The sprinkler device of the product is placed in the cover cylinder, so that the sprinkler has a certain decorative. For automatic sprinkler system, and can adjust the height of the cover according to the height of the ceiling. The concealed wine nozzle is composed of a nozzle, a cover cylinder, an outer cover seat, and an outer cover cover. The nozzle and the cover cylinder are installed together on the pipeline and then the outer cover is installed.

PRODUCT PARAMETERS

Model	Diameter of glass sphere	Nominal diameter	Flow coefficient	Connecting thread	Color code	Operating temperature	Hydrostatic test
ZSTDY 115/68°C Q5	Φ 5mm	DN 20	115±6	R3/4	red	68°C	3.0MPa
ZSTDY 115/68°C Q3	Φ 3mm						
ZSTDY 115/57°C Q5	Φ 5mm	DN 20	115±6	R3/4	orange	57°C	
ZSTDY 115/57°C Q3	Φ 3mm						
ZSTDY 115/79°C Q5	Φ 5mm	DN 20	115±6	R3/4	yellow	79°C	
ZSTDY 115/79°C Q3	Φ 3mm						
ZSTDY 115/93°C Q5	Φ 5mm	DN 20	115±6	R3/4	green	93°C	
ZSTDY 115/93°C Q3	Φ 3mm						
ZSTDY 115/141°C Q5	Φ 5mm	DN 20	115±6	R3/4	blue	141°C	
ZSTDY 115/141°C Q3	Φ 3mm						
ZSTDY 115/182°C Q5	Φ 5mm	DN 20	115±6	R3/4	purple	182°C	
ZSTDY 115/182°C Q3	Φ 3mm						
ZSTDY 115/260°C Q5	Φ 5mm	DN 20	115±6	R3/4	black	260°C	
ZSTDY 115/260°C Q3	Φ 3mm						



T-ZSTGX80-68°C Q5



T-ZSTGX115-68°C Q5



K-ZSTGX80-68°C Q3



K-ZSTGX115-68°C Q3

FIRE HOSE

PVC Lining Fire Hose




Construction:

- 100% polyester filament jacket
- Polyvinylchloride(PVC) Lining

Application:

- Fire fighting
- Irrigation
- Construction site
- Garden

Properties:

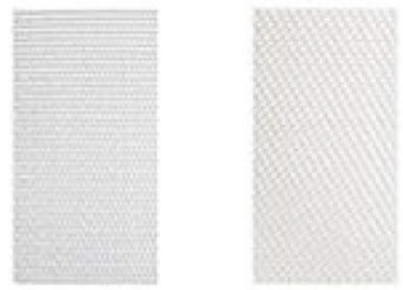
- Most popular type worldwide
- Thick and heavy
- Economic price
- Lining thickness and weight by customized

Standard Length:

- 0m~40m by customized

Temperature Range:

- 0℃ to 40℃.

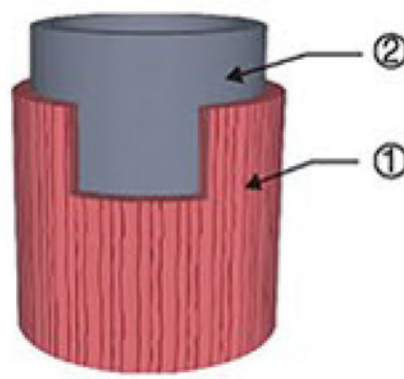


Plain Twill

① Jacket



② Polyvinylchloride(PVC) Lining



③ Construction

FIRE HOSE

PVC Lining Fire Hose

Part No.	I.D.		W. P.			B. P.			Weight(±10%)
	Inch	MM	Bar	Mpa	Psi	Bar	Mpa	Psi	KG/M
AA2101	3/4	19	8	0.8	115	24	2.4	350	0.055
AA2102	1	25	8	0.8	115	24	2.4	350	0.068
AA2103	1-1/2	38	8	0.8	115	24	2.4	350	0.123
AA2203	1-1/2	38	10	1.0	145	30	3.0	435	0.143
AA2303	1-1/2	38	13	1.3	190	40	4.0	580	0.163
AA2403	1-1/2	38	16	1.6	230	48	4.8	700	0.200
AA2104	2	51	8	0.8	115	24	2.4	350	0.157
AA2204	2	51	10	1.0	145	30	3.0	435	0.177
AA2304	2	51	13	1.3	190	40	4.0	580	0.210
AA2404	2	51	16	1.6	230	48	4.8	700	0.260
AA2105	2-1/2	65	8	0.8	115	24	2.4	350	0.180
AA2205	2-1/2	65	10	1.0	145	30	3.0	435	0.213
AA2305	2-1/2	65	13	1.3	190	40	4.0	580	0.260
AA2405	2-1/2	65	16	1.6	230	48	4.8	700	0.333
AA2106	3	76	8	0.8	115	15	1.5	220	0.250
AA2206	3	76	10	1.0	145	20	2.0	290	0.293
AA2306	3	76	13	1.3	190	25	2.5	360	/
AA2406	3	76	16	1.6	230	30	3.0	435	/
AA2107	4	102	8	0.8	115	15	1.5	220	0.327
AA2207	4	102	10	1.0	145	20	2.0	290	0.383
AA2307	4	102	13	1.3	190	25	2.5	360	/
AA2407	4	102	16	1.6	230	30	3.0	435	/
AA2108	5	125	8	0.8	115	15	1.5	220	0.400
AA2109	6	152	8	0.8	115	15	1.5	220	0.507
AA2110	7	178	8	0.8	115	15	1.5	220	0.600
AA2111	8	203	8	0.8	115	15	1.5	220	0.667

FIRE HOSE

Rubber(NBR/EPDM) Lining Fire Hose




Construction:

- 100% polyester filament jacket
- Rubber(NBR/EPDM) Lining

Application:

- Fire fighting
- Construction site
- Industry

Properties:

- Very good cold/hot resistance
- Very good aging resistance
- Very good acid/alkali resistance
- Popular worldwide

Standard Length:

- 0m~40m by customized

Temperature Range:

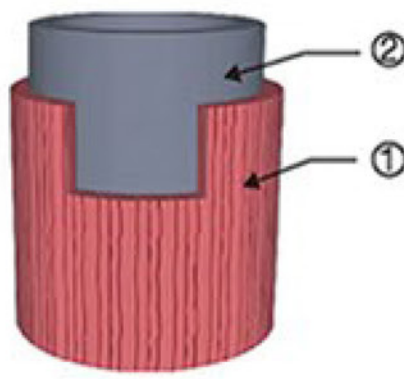
- -30℃ to 90℃



① Jacket



② Rubber (NBR/EPDM) Lining



③ Construction

FIRE HOSE

Rubber(NBR/EPDM) Lining Fire Hose

				W. P.		B. P.		Weight(±10%)	
				Mpa	Psi	Bar	Mpa	Psi	KG/M
AA3101	4/5	19	8	0.8	115	24	2.4	350	0.055
AA3102	1	25	8	0.8	115	24	2.4	350	0.068
AA3103	1-1/2	38	8	0.8	115	24	2.4	350	0.123
AA3203	1-1/2	38	10	1.0	145	30	3.0	435	0.143
AA3303	1-1/2	38	13	1.3	190	40	4.0	580	0.163
AA3403	1-1/2	38	16	1.6	230	48	4.8	700	0.200
AA3104	2	51	8	0.8	115	24	2.4	350	0.157
AA3204	2	51	10	1.0	145	30	3.0	435	0.177
AA3304	2	51	13	1.3	190	40	4.0	580	0.210
AA3404	2	51	16	1.6	230	48	4.8	700	0.260
AA3105	2-1/2	65	8	0.8	115	24	2.4	350	0.180
AA3205	2-1/2	65	10	1.0	145	30	3.0	435	0.213
AA3305	2-1/2	65	13	1.3	190	40	4.0	580	0.260
AA3405	2-1/2	65	16	1.6	230	48	4.8	700	0.333
AA3106	3	76	8	0.8	115	15	1.5	220	0.250
AA3206	3	76	10	1.0	145	20	2.0	290	0.293
AA3306	3	76	13	1.3	190	25	2.5	360	/
AA3406	3	76	16	1.6	230	30	3.0	435	/
AA3107	4	102	8	0.8	115	15	1.5	220	0.327
AA3207	4	102	10	1.0	145	20	2.0	290	0.383
AA3307	4	102	13	1.3	190	25	2.5	360	/
AA3407	4	102	16	1.6	230	30	3.0	435	/
AA3108	5	125	8	0.8	115	15	1.5	220	0.400
AA3109	6	152	8	0.8	115	15	1.5	220	0.507
AA3110	7	178	8	0.8	115	15	1.5	220	0.600
AA3111	8	203	8	0.8	115	15	1.5	220	0.667

FIRE HOSE

Durable Fire Hose



Construction:

- PVC/Rubber lining and cover
- Polyester jacket

Application:

- Oil transport/fire fighting/construction site/mines/marine

Advantages:

- Durable/anti-wear/high working pressure

Services:

- Individual marking available.
- Bind with couplings available on request

Lining/cover colour:

- Red/black/yellow

Standard length:

- 15~200m by request

Standard size (inner diameter):

- 1.5Inch(38mm)/2Inch(51mm)/2.5Inch(63mm)/3Inch(76mm)/4Inch(100mm)/5Inch(130mm)/6Inch(152mm)

Temperature Range:

- -10℃ to 60℃

Plain Twill

① Jacket

② PVC/Rubber Lining and coating

③ Construction

FIRE HOSE

Durable Fire Hose

Part No.	Lining/Cover	I.D.		W. P.			B. P.		
		Inch	MM	Bar	Mpa	Psi	Bar	Mpa	Psi
AC2203	PVC	1-1/2	38	10	1.0	145	30	3.0	435
AC2303	PVC	1-1/2	38	13	1.3	190	40	4.0	580
AC2403	PVC	1-1/2	38	16	1.6	230	48	4.8	700
AC3203	Rubber	1-1/2	38	10	1.0	145	30	3.0	435
AC3303	Rubber	1-1/2	38	13	1.3	190	40	4.0	580
AC3403	Rubber	1-1/2	38	16	1.6	230	48	4.8	700
AC2204	PVC	2	51	10	1.0	145	30	3.0	435
AC2304	PVC	2	51	13	1.3	190	40	4.0	580
AC2404	PVC	2	51	16	1.6	230	48	4.8	700
AC3204	Rubber	2	51	10	1.0	145	30	3.0	435
AC3304	Rubber	2	51	13	1.3	190	40	4.0	580
AC3404	Rubber	2	51	16	1.6	230	48	4.8	700
AC2205	PVC	2-1/2	65	10	1.0	145	30	3.0	435
AC2305	PVC	2-1/2	65	13	1.3	190	40	4.0	580
AC2405	PVC	2-1/2	65	16	1.6	230	48	4.8	700
AC3205	Rubber	2-1/2	65	10	1.0	145	30	3.0	435
AC3305	Rubber	2-1/2	65	13	1.3	190	40	4.0	580
AC3405	Rubber	2-1/2	65	16	1.6	230	48	4.8	700
AC2206	PVC	3	76	10	1.0	145	30	3.0	435
AC2306	PVC	3	76	13	1.3	190	40	4.0	580
AC2406	PVC	3	76	16	1.6	230	48	4.8	700
AC3206	Rubber	3	76	10	1.0	145	30	3.0	435
AC3306	Rubber	3	76	13	1.3	190	40	4.0	580
AC3406	Rubber	3	76	16	1.6	230	48	4.8	700
AC2207	PVC	4	102	10	1.0	145	30	3.0	435
AC2307	PVC	4	102	13	1.3	190	40	4.0	580
AC2407	PVC	4	102	16	1.6	230	48	4.8	700
AC3207	Rubber	4	102	10	1.0	145	30	3.0	435
AC3307	Rubber	4	102	13	1.3	190	40	4.0	580
AC3407	Rubber	4	102	16	1.6	230	48	4.8	700

FIRE HOSE

Double Jacket Fire Hose




Construction:

- P100% polyester filament jacket
- PU Lining

Application:

- Fire fighting
- Irrigation
- Construction site
- Industry

Properties:

- Very high working pressure
- Very good wear resistance
- Very good aging resistance

Standard length:

- 0m~40m by customized

Temperature Range:

- -30℃ to 60℃

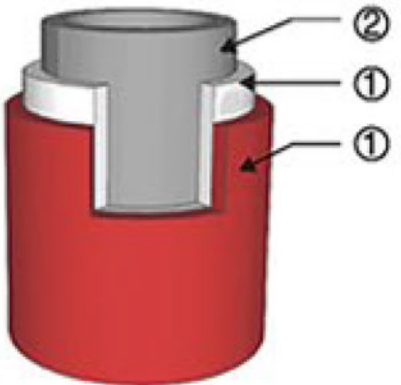


Plain Twill

① Double Jacket



② PU/PVC/Rubber Lining



③ Construction

FIRE HOSE

Double Jacket Fire Hose

Part No.	I.D.		W. P.			B. P.		
	Inch	MM	Bar	Mpa	Psi	Bar	Mpa	Psi
AD1402	1	25	16	1.6	230	48	4.8	700
AD1602	1	25	25	2.5	362	75	7.5	1087
AD1802	1	25	50	5.0	724	150	15.0	2175
AD1403	1-1/2	38	16	1.6	230	48	4.8	700
AD1603	1-1/2	38	25	2.5	362	75	7.5	1087
AD1803	1-1/2	38	50	5.0	724	150	15.0	2175
AD1404	2	51	16	1.6	230	48	4.8	700
AD1504	2	51	20	0.8	290	60	6.0	870
AD1604	2	51	25	1.0	362	75	7.5	1087
AD1704	2	51	30	1.6	435	90	9.0	1305
AD1405	2-1/2	65	16	0.8	232	48	4.8	670
AD1505	2-1/2	65	20	1.0	290	60	6.0	870
AD1605	2-1/2	65	25	1.6	362	75	7.5	1087
AD1705	2-1/2	65	30	0.8	435	90	9.0	1305
AD1206	3	76	10	1.0	145	30	3.0	435
AD1306	3	76	13	1.3	189	39	3.9	565
AD1406	3	76	16	1.6	230	48	4.8	700
AD1207	4	102	10	1.0	145	30	3.0	435
AD1307	4	102	13	1.3	190	39	3.9	565
AD1407	4	102	16	1.6	232	48	4.8	670

Coupling

Storz Coupling

Materials: Aluminum or brass		Manufacturing progress: - Die-casting or pouring/teaming practice(aluminum) - Forging or hammering(brass)		
Connection way: Binding		Country: Gemany, China, Bulgalia, Romania, Poland, Chile, Peru and so on		
Type: Hermaphroditic		Remarks: The rubber ring on the hose ending can obviously protect the hose from heart by the coupling and anti-leaking		
Reference standard: DIN14302/DIN14303				
Apprication: Fire fighting, marine and civil				
Description	Picture	Part No.	Ending Size	
/	/	/	Inch	MM
Storz Coupling Long Tail		FA1101	1	25
		FA1102	1-1/2	38
		FA1103	2	51
		FA1104	2-1/2	65
		FA1105	3	76
		FA1106	4	102
		FA1107	6	152
		FA1108	8	203
Storz Coupling Short Tail		FA2103	2	51
		FA2105	3	76
Storz Coupling Brazil		FA1102	1-1/2	38
Storz Coupling Brazil		FA1104	2-1/2	65

Coupling

British Coupling (Jorn Morris Coupling)

Materials: Aluminum or brass		Apprication: Fire fighting, marine and civil		
Connection way: Binding		Manufacturing progress: - Die-casting or pouring practice(aluminum) - Forging or hammering(brass)		
Type: Buckle/flush bonding(rapid plug-in)		Country: British, India, Thailand, Malaysia, Myanmar, Fiji, Bangladesh, Kenya, ETC		
Reference standard: BS336				
Description	Picture	Part No.	Ending	Coupling
/	/	/	Inch	MM
Jorn Morris Coupling Short Tail		FB1102	1-1/2	1-1/2
		FB1103	2	2
		FB1104	2-1/2	2-1/2
		FB1104B	1-1/2	2-1/2
		FB1104C	2	2-1/2
Jorn Morris Coupling Long Tail		FB2102	1-1/2	1-1/2
		FB2103	2	2
		FB2104	2-1/2	2-1/2
		FB2104B	1-1/2	2-1/2
		FB2104C	2	2-1/2
Brass Jorn Morris Coupling Long Tail		FB3204B	1-1/2	2-1/2
		FB3204C	2	2-1/2
		FB3204	2-1/2	2-1/2

Coupling

Machino Fire Hose Coupling

Materials:

Aluminum or brass

Connection way:

Binding

Type:

Flush bonding(rapid plug-in)

Reference standard:

JISB9911/9912/9913

Apprication:

Fire fighting, marine and civil

Manufacturing progress:

Die-casting or pouring practice(aluminum)

Forging or hummering(brass)

Country:

Japan, Taiwan region, Indonesia

Description	Picture	Part No.	Ending Size	
/	/	/	Inch	MM
Machino Coupling Best Quality		FC1102	1-1/2	38
		FC1103	2	51
		FC1104	2-1/2	63
Machino Coupling Cheap Quality		FC2102	1-1/2	38
		FC2103	2	51
		FC2104	2-1/2	63
Brass Machino Coupling Medium Quality		FC3102	1-1/2	38
		FC3103	2	51
		FC3104	2-1/2	63

Coupling

Russian Fire Hose Coupling

Materials: Aluminum,plastic or brass	Apprication: Fire fighting and civil
Connectiion way: Binding	Manufacturing progress: - Die-casting or pouring practice(aluminum) - Forging or hummering(brass)
Type: Buckle	Country: Russia,Ukraine, Belarus, Mongolia, Uzbekistan, Kazakhstan
Reference standard: GOST	

Description	Picture	Part No.	Ending Size	
/	/	/	Inch	MM
Russian Coupling		FD1101	1	25
		FD1103	2	51
		FD1105	3	76
Russian Coupling Plastic Tail		FD2103	2	51
		FD2105	3	76
Russian Coupling Outside Threading		FD3101	1	25
Russian Coupling Inside Threading		FD4101	1	25

Coupling

Aluminum American Style Coupling

Materials:

- Aluminum or brass

Connection way:

- Binding

Type:

- Flush bonding(rapid plug-in)

NH/NPT/IPT

Apprication:

- Fire fighting, marine and civil

Manufacturing progress:

- Die-casting or pouring practice(aluminum)
- Forging or hummering(brass)

Country:

- American, Japan, Taiwan region, Indonesia

Description	Picture	Part No.	Ending Size	
/	/	/	Inch	MM
Aluminum American Style Coupling(Expansion Connection)		FC1102	1-1/2	38
		FC1103	2	51
		FC1104	2-1/2	63
		FC2102	1-1/2	38
		FC2103	2	51
Brass American Style Coupling(Expansion Connection)		FC2104	2-1/2	63
		FC3102	1-1/2	38
		FC3103	2	51
		FC3104	2-1/2	63

Coupling

UNI Fire Hose Coupling

Materials: Aluminum,plastic or brass		Apprication: Fire fighting and civil		
Connection way: Binding		Manufacturing progress: - Die-casting or pouring practice(aluminum) - Forging or hummering(brass)		
Type: Buckle		Country: Italy, Russia, Ukraine, Belarus, Mongolia, Uzbekistan, Kazakhstan		
Reference standard: - GOST - UNI				
Description	Picture	Part No.	Ending Size	
/	/	/	Inch	MM
UNI Fire Hose Coupling		FC1102	1-1/2	38
		FC1103	2	51
		FC1104	2-1/2	63
		FC2102	1-1/2	38
		FC2103	2	51
		FC2104	2-1/2	63
		FC3102	1-1/2	38
		FC3103	2	51
		FC3104	2-1/2	63

Landing Valve / Hydrant Valve

PRODUCT DESCRIPTION

The Fire Hydrant Valve, Fire Landing Valve for Fire Fighting is the connector in the water piping network to supply water for fire hose. Landing valve is equipped with a instant coupling, the other side is also a coupling mounted on fire hose to connect with landing valve and offer assistance to control the fire.



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"

Fire Coupling / Landing Valve / Hydrant Valve

PRODUCT DESCRIPTION

The Fire Hydrant Valve, Fire Landing Valve for Fire Fighting is the connector in the water piping network to supply water for fire hose. Landing valve is equipped with a instant coupling, the other side is also a coupling mounted on fire hose to connect with landing valve and offer assistance to control the fire.



Specification
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2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"



Specification
2 1/2"

Water Dividers / Fire Hydyant

Fire hydrants provide quick and reliable water supply in the event of a fire emergency. Hydrants are connected to municipal water supplies and are designed to deliver large amounts of water at high pressure.

Water diverters have multiple outlets that can split the water flow in multiple directions to more effectively cover the fire area. This can be done by connecting the fire hose to the water diverter.

Fire Coupling



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Specification

2 ½"



Fire Hose Reel & Cabinet



Fire Hose Reel Accessories



Specification	1 1/2"×1 1/2"
	2"×2"
	2 1/2"×2 1/2"
Thread	NPT,NPT



Specification	1 1/2"×1 1/2"
	2"×2"
	2 1/2"×2 1/2"
Thread	NPT,NPT



Specification	1 1/2"×1 1/2"
	2"×2"
	2 1/2"×2 1/2"
Thread	NPT,NPT



Specification	1 1/2"×1 1/2"
	2 1/2"×2 1/2"
Thread	NPT



Specification	1 1/2"×1 1/2"
	2 1/2"×2 1/2"
Thread	NPT



Specification	1 1/2"×1 1/2"
	2 1/2"×2 1/2"
Thread	NPT



Size	3/4"
	1"
Inlet	25mm×19mm
Outlet	25mm×25mm



Size	3/4"
	1"
Inlet	25mm×25mm
Outlet	19mm×19mm



Size	3/4"
	1"
Inlet	1"BSP×19mm
Outlet	1"BSP×25mm



Inlet	1.5"NPT Female
Outlet	Ø18mm



Inlet	1.5"NPT Female
Outlet	Ø18mm



Inlet	1.5"NPT Female
Outlet	Ø18mm

Fire Hose Reel Accessories



Inlet	1.5"
Outlet	Ø17.5mm



Inlet	1.5"
Outlet	Ø17.5mm



Inlet	2.5"BS336
Outlet	Ø29mm



Inlet	2.5"
Outlet	Ø29mm



Inlet	2"Gost
Outlet	Ø13mm



Inlet	1.5"NH Female
Outlet	Ø13mm



Inlet	2.5"BS336×Ø35
	2"BS336×Ø25
	1.5"BS336×Ø17.5



Size	40mm×30mm
	65mm×30mm



Inlet	2.5"BS336
-------	-----------



Inlet	2.5"NPT
Outlet	2.5"NH



Size	1",1,1/4",2"
------	--------------



Size	1/2" - 4"
------	-----------

Fire Hose Reel Accessories



Inlet	F2.5"NH×Ø16
	F2"NH×Ø13
Outlet	F1.5"NH×Ø9



Inlet	2.5"Machino×Ø16
	2"Machino×Ø13
Outlet	1.5"Machino×Ø9



Inlet	2.5"BS336×Ø16
	2"BS336×Ø13
Outlet	1.5"BS336×Ø9



Inlet	F2.5"NH
Outlet	Ø30



Inlet	2.5"STORZ
Outlet	Ø30



Inlet	2.5"BS336
Outlet	Ø30



Inlet	2"BSP
-------	-------



Inlet	2"BSP
-------	-------



Inlet	1.5"Machino×Ø20
	2"Machino×Ø30
Outlet	2.5"Machino×Ø30







Fire Control Straight Flow Water Nozzle

PRODUCT DESCRIPTION

Fire Control Straight Flow Water Nozzle Fire control straight flow water nozzle is atype of water nozzle used to extinguish fires. It is designed to provide high pressuredirect current water to effectively extinguish fires.



Specification
2 ½"



Specification
2 ½"



Specification
2 ½"



Specification
2 ½"



Specification
2 ½"



Specification
2 ½"



Specification
2 ½"

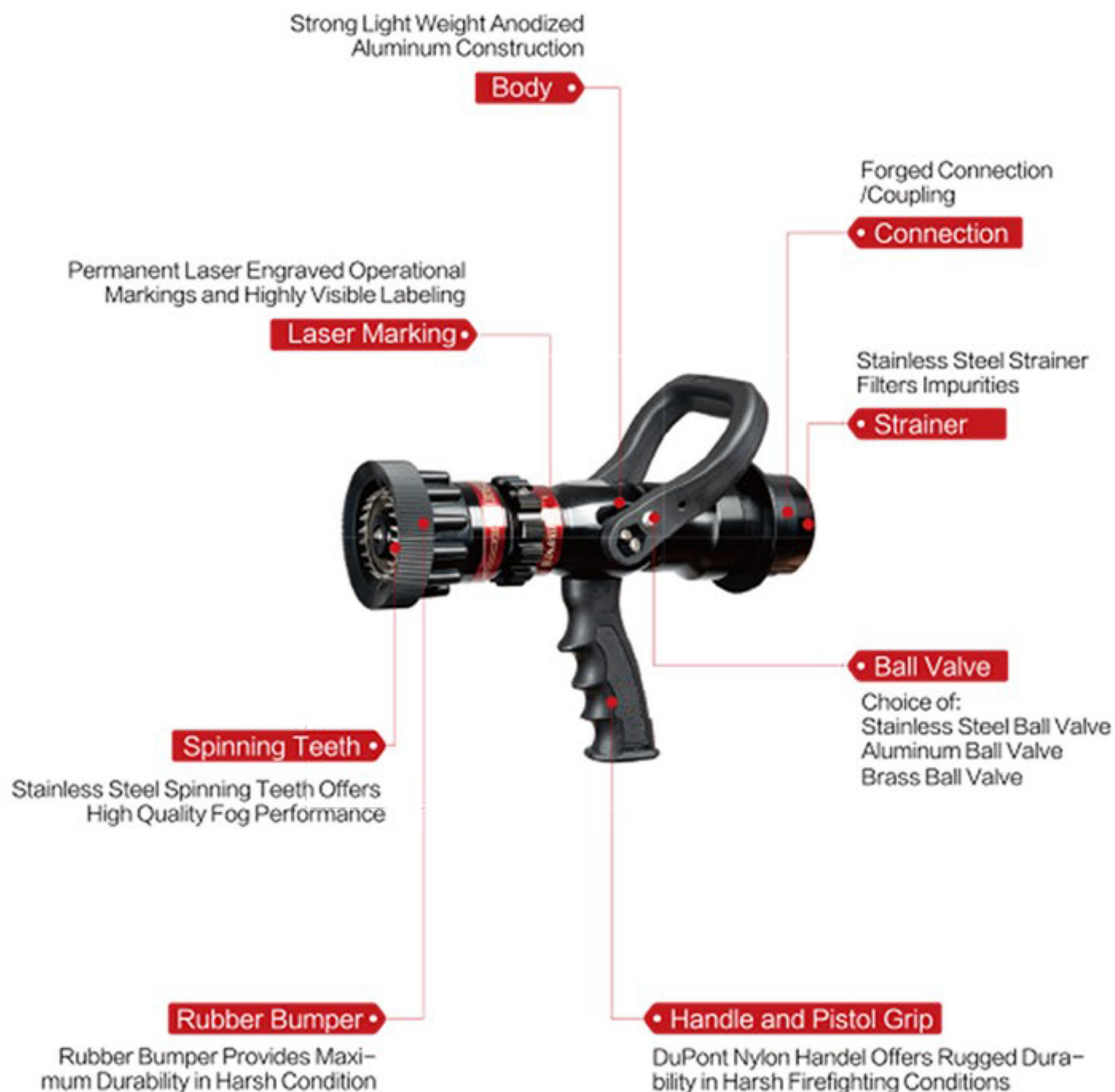


Specification
2 ½"



Specification
2 ½"

Adjustable Flow Rate Nozzle



Adjustable Flow Rate Nozzle (Small Flow)

Mainly equipped for high-pressure reel fire truck, used for vehicle fires and forest fires.

Type	W.Pressure	Flow Rate	Flow Distance	Weight	Coupling
QLD6.0/4III-D	7BAR	50-100-150-230L/M	28M	1.2KG	1" /1.5" /2



Adjustable Flow Rate Nozzle

Mainly equipped with firefighting forces and professional firefighting teams to extinguish various Rotating the flow control section to adjust the flow for different fire condition.

Type	W.Pressure	Flow Rate	Flow Distance	Weight	Coupling
QLD6.0/8III-B	7BAR	115-230-360-475L/M	34M	1.8KG	1.5" /2.5"



Adjustable Flow Rate Nozzle (10L)

90° rotation rubber head controls jet and spray, which could shorten the operation time and and reduce the operation difficulty.

Type	W.Pressure	Flow Rate	Flow Distance	Weight	Coupling
QLD6.0/10III-BF	7BAR	115-240-360-475-600L/M	34M	2.13KG	1.5" /2.5"



Marine Nozzle

Designed and manufactured for firefighting in the harsh marine environment Brass construction and galvanization for corrosion resistance

Type	W.Pressure	Flow Rate	Flow Distance	Weight	Coupling
QLD6.0/8III-B	7BAR	115-230-360-475L/M	34M	3.8KG	1.5" /2.5"



Adjustable Flow Rate Nozzle (Large Flow)

Large flow rate nozzle, design for city fire, petroleum and petrochemical plants fire.

Type	W.Pressure	Flow Rate	Flow Distance	Weight	Coupling
QLD6.0/13III-C	7BAR	350-450-580-780-950L/M	37M	2.3KG	1.5" /2.5"

Adjustable Flow Rate Nozzle



Foam Nozzle

Strong light weight aluminum construction with visible foam suction hose. Used for oil tanks fire, ground oil and oil products fire, wood, general solid material fire. Select-able inline eductor (0-1/4%-1/2%-1%-3%-6%) .

Type	W.Pressure	Flow Rate	F.Distance	Weight
QP4/0.7Z	7 Bar	240L/M	30M	2.7KG
QP8/0.7Z	7 Bar	480L/M	33M	3.3KG
QP16/0.7Z	7 Bar	960L/M	33M	3.3KG



Type A Foam Nozzle

Used for oil tanks fire, ground oil and oil products fire, wood, general solid material fire.

Type	W.Pressure	Flow Rate	Orifice	Weight	Coupling
PQA600	7BAR	600L/M	22mm	1.5KG	1.5" /2.5"



Type A Foam Nozzle (Large Orifice)

Type	W.Pressure	Orifice	Outlet	Dry Foam Flow Distance	WetFoam Flow Distance
PQA	7 Bar	28/32MM	36MM	≥ 15M	≥ 18M



Piercing Nozzle

Strong light weight aluminum and stainless steel construction. Mainly used for houses, car&trucks, garages, bams and mobile homes.

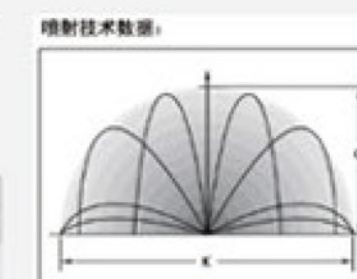
Type	W.Pressure	Flow Rate	Length	Weight	Coupling
QCG-1	7BAR	600L/M	1 Meter	2.5KG	1.5" /2.5"



Water Curtain Nozzle

It can form a water curtain as a protective layer, produces 180 degrees of flat water curtain to prevent the spread of fire, block heat radiation, protect the safety of fire fighters and equipment.

Working Pressure 6KG	Flow Rate 1300 LPM	W=26m	H=7m
Working Pressure 6KG	Flow Rate 1600 LPM	W=32m	H=7m



Medium Expansion Foam Nozzle

Medium expansion foam nozzle with shutoff is made in aluminum alloy and equipped with a stainless steel mesh. It can increase the foam reach range by 8 to 10 times and improve the diffusion speed.

Type	Nominal W. Pressure	Nominal Flow Rate	Expansion Ratio	50% Drainage Time	Flow Distance
PQZ8/0.8	0.8Mpa	475LPM+10%	20≤N≤200N	20 Min	≥ 18

Two Way Pillar Fire Hydrant



Inlet	Outlet
100mm	2×StorzC"



Inlet	Outlet
100mm	2×2.5"+4"



Inlet	DN100mm Flange JIs B2220 10K/16K
Outlet	2×2.5" Machino



Inlet	100mm Flange to EN 1092-2 T9
Outlet	2x2.5" Adapter Outlet & 1×4" BSP Pumper



Inlet	Outlet
150mm	2×2.5"+4"



Inlet	Outlet
100mm	2×2.5"+4"



Inlet	DN80
Outlet	2×StorzC



L (mm)	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'
	1063	1215	1368	1520	1673	1825	1978	2130

Water/foam Dual-purpose Fire Monitor

PRODUCT PARAMETERS

Model		PL8/24	PL8/32	PL8/40	PL8/48	PL10/64
Rated flow (L/s)		24	32	40	48	64
Rated working pressure (MPa)		0.8	0.8	0.8	0.8	1
Working pressure range (MPa)		0.8~1.2	0.8~1.2	0.8~1.2	0.8~1.2	1.0~1.4
Jet (m)	Low-expansion foam	≥42	≥48	≥55	≥60	≥70
	Water	≥55	≥60	≥65	≥70	≥75
Connecting flange		DN80	DN80	DN80	DN100	DN100
Horizontal rotation angle (°)		360				
Vertical rotation angle (°)		-60~+90				
Foaming ratio (at 20°C)		≥6				
25% elution time (min)		≥2.5				
Foam mix ratio		6~7				
Installation method		Seat				
Operation method		Manual				
Use environment		-10°C~+50°C ≤95%RH				



Manual Fire Water Monitor

PRODUCT PARAMETERS

Model	PS30	PS40	PS50
Flow (L/s)	30	40	50
Rated working pressure (MPa)	0.8	0.9	0.95
Working pressure range (MPa)	0.6~1.2	0.6~1.2	0.6~1.2
Jet radius (m)	≥55	≥60	≥65
Horizontal rotation angle (°)	360		
Vertical rotation angle (°)	-40~+80		
Spray angle (°)	100		
Installation method	Seat		
Connecting flange	DN100		
Operation method	Handle		
Operating radius (mm)	500		
Use environment	-10°C~+50°C ≤95%RH		



PRODUCT DESCRIPTION

Fire-fighting water monitors are important fire-fighting equipment for long-distance fire fighting, and fire-fighting water monitors are fire-fighting equipment that sprays water to extinguish general solid materials at a long distance. Fire water monitors use water as a medium to extinguish fires from a long distance. The gun is suitable for petrochemical enterprises, storage tank farms, hangars, warehouses, ports and docks, etc. It is also an ideal vehicle-mounted fire monitor for fire trucks. The gun body is composed of base, water inlet pipe, rotating body, water collecting pipe, jet adjusting ring, handle and locking mechanism, etc. The gun body can be rotated horizontally and tilted, and can be positioned. The cannon has a wide range of pressure, a long range and can implement stepless adjustments from direct current to blooming and water mist jets. Its light weight, small size, full function and good fire extinguishing effect are the biggest features of water monitors

Manual Fire Water Monitor

PRODUCT PARAMETERS

Model	PS30	PS40	PS50
Flow (L/s)	30	40	50
Rated working pressure (MPa)	0.8	0.9	0.95
Working pressure range (MPa)	0.6~1.2	0.6~1.2	0.6~1.2
Jet radius (m)	≥55	≥60	≥65
Horizontal rotation angle (°)	360		
Vertical rotation angle (°)	-40~+80		
Spray angle (°)	100		
Installation method	Seat		
Connecting flange	DN100		
Operation method	Handle		
Operating radius (mm)	500		
Use environment	-10°C~+50°C ≤95%RH		



Explosion-proof automatic foam/water dual-purpose monitor



Central control cabinet

Cabinet Type Heptafluoropropane Fire Extinguishing Device



Single cabinet type heptafluoropropane gas fire extinguishing device

PRODUCT DESCRIPTION

The heptafluoropropane automatic fire extinguishing system is a modern intelligent automatic fire extinguishing device integrating gas fire extinguishing, automatic control and fire detection. It conforms to DBJ15-23-1999 "Heptafluoropropane (HFC-227ea) Clean Gas Fire Extinguishing System Design Specification" and ISO14520-9 "Gas Fire Extinguishing" System-Physical Performance and System Design" system design and product standard specification requirements, this system has advanced device design, reliable performance, simple operation, and good environmental protection.

The cabinet-type heptafluoropropane automatic fire extinguishing system consists of storage bottle group, storage bottle group frame, liquid flow check valve, collecting pipe, selector valve, tee, reducing tee, elbow, reducing elbow, flange, safety valve, Pressure signal transmitter, pipe network, nozzle, medicament, fire detector, fire extinguishing controller, sound and light alarm, alarm bell, deflation indicator, emergency start/stop button, etc. It has four control modes: automatic, manual, mechanical emergency manual and emergency start/stop.

WORKING PRINCIPLE

This device is generally used in conjunction with fire-fighting equipment such as fire detectors, fire alarm extinguishing controllers, emergency start/stop buttons, sound and light alarms, and deflation indicators. When a fire occurs in the protection area, the temperature and smoke detectors will send out a fire signal. After the logic analysis of the automatic fire alarm, the sound and light composite alarm signal will be sent out, and the linkage instruction will be issued at the same time to turn off the linkage equipment. After a delay time After that, the fire extinguishing command is issued, the solenoid valve driver is activated, the container valve is opened, the fire extinguishing agent is released, and the fire is extinguished; if the duty officer discovers a fire, he can press the emergency start button outside the protection area to implement the fire extinguishing operation; the solenoid valve is driven on It is also equipped with a button, and it can also be used for mechanical emergency manual operation to extinguish fire in an emergency.

PROTECTIVE AREA

This cabinet type device does not need to set up a dedicated bottle group room. The entire cabinet body is set in the protection area. It is suitable for computer rooms, archives, valuables warehouses, communication rooms and other small protection areas. Several cabinet devices are combined It can also protect larger protected areas. This device can be used when a dedicated bottle group room cannot be set up in the building, or although there is a bottle group room, but the conveying distance is too long to meet the requirements of engineering design, or it is inconvenient to install the system pipe network in the protection area.



Double cabinet type heptafluoropropane gas fire extinguishing device

PRODUCT FEATURES

Heptafluoropropane gas fire extinguishing system relies on heptafluoropropane to extinguish fire. It has the following notable features: 1. High fire extinguishing efficiency 2. Good electrical insulation 3. Economical and practical 4. Clean and environmentally friendly. It has good cleanliness and is completely vaporized in the atmosphere without leaving residue.

PRODUCT PARAMETERS

Product model	Single cabinet	GQQ40/2.5	GQQ70/2.5	GQQ90/2.5	GQQ100/2.5	GQQ120/2.5	GQQ150/2.5	GQQ180/2.5
	Double cabinet	GQQ40x2/2.5	GQQ70x2/2.5	GQQ90x2/2.5	GQQ100x2/2.5	GQQ120x2/2.5	GQQ150x2/2.5	GQQ180x2/2.5
Storage container volume		40L	70L	90L	100L	120L	150L	180L
Range of working temperature		0-50°C						
Storage pressure		2.5Mpa						
Work pressure		4.2Mpa						
Extinguishing technology		Submerged						

Portable Extinguisher

PRODUCT DESCRIPTION

The portable fire extinguisher is a portable fire extinguishing tool. Chemicals are placed in the fire extinguisher to put out the fire. Fire extinguishers are one of the common fire prevention facilities. They are stored in public places or places where fires may occur. Different types of fire extinguishers have different ingredients and are designed for different fire causes. Attention must be paid to avoid adverse effects and dangers during use.



MSZ/3

MSZ/6

PRODUCT PARAMETERS

Product	Model	Extinguishing agent	Filling amount	extinguishing level	Operating temperature	Driving gas	Hydrostatic test pressure
Portable water-based fire extinguisher	MSZ/3	S-100-AB	3L ^{±0.05}	1A,55B,E	0~55℃	Nitrogen 1.2MPa(20℃)	2.1MPa
	MSZ/6		6L ^{±0.1}	2A,89B,E			
Portable dry powder extinguisher	MFZ/ABC1	ABC dry powder extinguishing agent	1±0.05kg	1A,21B	-20~55℃		
	MFZ/ABC2		2±0.06kg	1A,21B			
	MFZ/ABC3		3±0.09kg	2A,34B			
	MFZ/ABC4		4±0.08kg	2A,55B			
	MFZ/ABC5		5±0.1kg	3A,89B			
	MFZ/ABC8		8±0.16kg	4A,144B			



MFZ/ABC1

MFZ/ABC2

MFZ/ABC3

MFZ/ABC4

MFZ/ABC5

MFZ/ABC8

Trolley Extinguisher

PRODUCT DESCRIPTION

The trolley-type water-based fire extinguisher is suitable for extinguishing the fires of oily flammable liquids and solid organic matter (such as gasoline, diesel, wood, paper, rubber, cotton and linen products). The fire extinguisher has the advantages of large dose, fast fire extinguishing speed and convenient use. It is an ideal fire extinguishing equipment for factories, agencies, oil depots, oil stations, docks, and chemical sites.

The cart storage pressure ABC dry powder fire extinguisher is equipped with ammonium phosphate dry powder fire extinguishing agent and nitrogen, which is suitable for extinguishing the initial fire of combustible solids, combustible liquids, combustible gases and live equipment. It is widely used in factories, warehouses, ships, gas stations, power distribution rooms, vehicles and other places.

PRODUCT PARAMETERS

Product type	Model	Extinguishing agent	Filling amount	extinguishing level	Operating temperature	Driving gas	Hydrostatic test pressure
Water-based	MSTZ/25	Water-based extinguishing agent	25±1.25L	6A,144B,E	-20~55℃	Nitrogen 1.2MPa	2.1MPa
Dry powder	MFTZ/ABC35	ABC dry powder extinguishing agent	35±0.7kg	6A,183B,C,E			



MSTZ/25

MFTZ/ABC35

Carbon Dioxide Portable Fire Extinguisher

PRODUCT DESCRIPTION

Under normal pressure, liquid carbon dioxide will immediately vaporize, generally 1kg of liquid carbon dioxide can produce about 0.5 cubic meters of gas. Therefore, when extinguishing a fire, carbon dioxide gas can be removed from the air and surrounded on the surface of the burning object or distributed in a more confined space, reducing the oxygen concentration around the combustible material or in the protective space, and producing a suffocating effect and extinguishing the fire. In addition, when carbon dioxide is ejected from the storage container, it is quickly vaporized from the liquid into gas, and some heat is absorbed from the surrounding area to cool it.



WORKING PRINCIPLE

It mainly uses the carbon dioxide vaporization reaction to quickly absorb heat, resulting in a decrease in the temperature of the combustion material, while isolating oxygen and blocking the continuation of the combustion reaction. There is no need to clean after use, and it is often used in precision instrument rooms, machine rooms, and power distribution rooms.

PRODUCT PARAMETERS

Model	MT/2	MT/3	MT/5	MT/7
Extinguishing level	21B	21B	34B	55B
Spray distance	≥2m	≥2m	≥2.5m	≥2.5m
Use temperature	-10°C ~ 55°C			
Extinguishing agent	CO ₂			
Filling amount	2Kg	3Kg	5Kg	7Kg
Driving gas	Nitrogen 1.2MPa(20°C)			

Hanging Dry Powder Fire Extinguisher

PRODUCT DESCRIPTION

Ultra-fine dry powder fire extinguishing technology is today's more efficient fire extinguishing technology, because the fire extinguishing time is usually less than 5 seconds, and there is no requirement for the tightness of the application site, so it is very suitable for fully enclosed space, semi-enclosed space or outdoor open space protection objects.

Ultrafine dry powder fire extinguishing device (fire extinguishing system) is composed of ultrafine dry powder device (fire extinguishing system), starting components, fire power supply and display panel.

PRODUCT FEATURES

Strong effectiveness in fire extinguishing. Ultrafine dry powder fire extinguishing device can be applied in the distribution cabinet of the power distribution room, cable trench, cable mezzanine, communication station and other unattended and traditional means can not solve the place, can achieve non-origin start, can be extinguished in the early stage of fire, achieve early suppression, reduce losses. For example, the internal environment of cable tunnels, cable mezzanines and cable shafts is generally relatively small, or the length is longer, the height is high, the brackets are dense, and the conditions are complex. In similar places, many fire extinguishing systems with pipe networks are difficult to function, and this device is particularly suitable for similar places.



FZX-ACT4/1.2



FZX-ACT8/1.2

PRODUCT PARAMETERS

Model	FZX-ACT2/1.2	FZX-ACT3/1.2	FZX-ACT4/1.2	FZX-ACT5/1.2	FZX-ACT6/1.2
	FZX-ACT7/1.2	FZX-ACT8/1.2	FZX-ACT9/1.2	FZX-ACT10/1.2	FZX-ACT12/1.2
Driving gas	Nitrogen 1.2MPa(20°C)				
Use temperature	0°C ~ 55°C				
Start-up method	Temperature sensitive glass ball activation				
Start-up temperature	68°C				
Injection time	≥10s				
Extinguishing approach	Fully submerged				

Fire Extinguisher Ball

PRODUCT DESCRIPTION

The fireball device is composed of foam shell, built-in dry powder drive device, ABC dry powder fire extinguishing agent. The exterior of the fire extinguishing ball device is wound with a cross-shaped lead, when the external lead is ignited, the driving medium is activated, the shell rapidly expands and ruptures, the dry powder fire extinguishing agent is quickly sprayed to the protected area and quickly diffuses around, forming a completely submerged fire extinguishing state, and the flame is extinguished under the dual action of the physical and chemical of the dry chemical fire extinguishing agent.

PRODUCT FEATURES

Dry powder fire extinguishing medium, safe and environmentally friendly; Automatic start fire extinguishing, convenient for the elderly and children to operate; The fire extinguishing level covers A/B/C/E/F fires, with a large fire extinguishing space; Unique moisture-proof process and open flame starting method, suitable for any extreme harsh environment.



Fire Blanket

PRODUCT DESCRIPTION

Fire extinguishing blanket is a fabric woven by special treatment of glass fiber and other materials, which can play a role in isolating heat sources and flames. It is especially suitable for home and restaurant kitchens, hotels, entertainment venues, gas stations and other places that are prone to fire. Prevent the spread of fire and protect against escape.

PRODUCT FEATURES

Non-combustible, high temperature resistance (550~1100 °C), soft texture, smooth, tight, and does not irritate the skin, for people and things that need to stay away from heat sources is an ideal and effective outer protective layer, and it is very easy to wrap the surface of uneven objects, in the case of no damage can be reused.



PRODUCT PARAMETERS

Specification size	1m*1m / 1.2m*1.2m / 1.5m*1.5m / 2m*2m
Product material	Fiberglass
Product performance	Fireproof and flame retardant
Storage method	Hang on the wall and store in a drawer or other convenient area

Wet Alarm Valve



Flange wet alarm valve

Groove wet alarm valve

PRODUCT DESCRIPTION

ZSFZ system is a general fixed fire extinguishing system, which is composed of wet alarm valve, retarder, hydraulic alarm bell and other components (such as pressure switch, water flow indicator, nozzle, etc.). The system is in standby working condition for a long time, and the pipe network is full of pressure. When a fire occurs somewhere in the protected area, the temperature sensitive element (glass ball) on the nozzle will act when the ambient temperature rises, the sealing component will fall off, and the system will automatically start to remove water. Spray directly to the fire area and send out an alarm signal to achieve the purpose of alarming, extinguishing and controlling the fire.

The system is suitable for buildings that can extinguish fire with water, and is usually installed in places such as production sites, warehouses, hotels, shopping malls, hospitals, theaters, office buildings, high-rise buildings and garages where there is a fire hazard.

PRODUCT PARAMETERS

Item model	Nominal Diameter	Nominal pressure (MPa)	Height (mm)	Parameter on connection		Flange external diameter (mm)
				Flange plate screw centre Distance	Bolt Hole	
ZSFZ100	100	1.6	245	Ø180	8XØ18	Ø220
ZSFZ125	125	1.6	244	Ø180	8XØ18	Ø250
ZSFZ150	150	1.6	275	Ø240	8XØ22	Ø285
ZSFZ200	200	1.6	340	Ø295	12XØ22	Ø340
ZSFZ250	250	1.6	418	Ø355	12XØ26	Ø405

Diaphragm Deluge Alarm Valve

PRODUCT DESCRIPTION

The ZSFM type rain shower alarm valve adopts the principle of diaphragm check. When the pipeline pressure on both sides of the diaphragm is balanced, the diaphragm is closed. When the pressure of the water supply system is greater than the pressure of the water spray system of the pipe network, the diaphragm can automatically open. A one-way check valve that can be combined with other components to form a variety of rain alarm and fire extinguishing systems, suitable for automatic sprinkler systems such as hospitals, hotels, shopping malls, factories, airports, casinos, library pipes, stadiums, and exhibition centers.

WORKING PRINCIPLE

Diaphragm deluge valve, when the diaphragm is closed, the valve body is divided into upper and lower parts, the upper part is connected to the sprinkler system pipe network, the lower part is connected with the water supply system pipe network, the cover and the diaphragm are formed after sealing. An inner cavity with controlled pressure has a pipeline connected to the water supply pipeline on the upper part of the valve body. When the pressure in the inner cavity is basically balanced with the pressure of the water supply pipeline, the diaphragm is in a sealed state (that is, the servo state). At this time, the water supply system Water can not be supplied to the pipe network. When the pressure in the diaphragm control room drops, the diaphragm automatically opens the water supply.



Control Panel of Deluge System

PRODUCT PARAMETERS

Item model	Nominal Diameter	Nominal pressure (MPa)	Height (mm)	Flange External Diameter	Flange Internal Diameter	Screw Quantity And bore diameter	Solenoid valve
ZSFM100	100	1.6	340	220	180	8xφ8	DC24V 0.5A
ZSFM150	150	1.6	415	285	240	8xφ22	DC24V 0.5A
ZSFM200	200	1.6	540	340	295	12xφ22	DC24V 0.5A

Pre-action Alarm Valve

PRODUCT DESCRIPTION

The pre-action device combines the automatic fire detection and alarm technology with the automatic sprinkler system, which has a double protection effect on the protection object, especially suitable for important places where cold and freezing and usually avoid water stains, and no accidental spraying is allowed, such as computers, Houses, generator rooms, reference rooms, historical archives, high-bay warehouses and other places.

The pre-action device is composed of an alarm valve group, a control panel, an air pressure maintenance device and an air supply device. It is opened by electric, pneumatic, mechanical or other methods, so that water can flow into the water spray system in one direction and alarm at the same time. valve assembly. When there is no fire, the side pipeline of the system is filled with compressed air, so the system has the characteristics of a dry system and can meet the needs of automatic water spraying under high temperature and severe cold conditions.



PRODUCT PARAMETERS

Item model	Nominal pressure (MPa)	Nominal diameter	Flange external diameter (mm)	Flange internal diameter (mm)	Screw quantity and bore diameter (mm)
ZSFY100-1.6	1.6	DN100	φ220	φ180	8xφ18
ZSFY125-1.6		DN125	φ250	φ210	8xφ18
ZSFY150-1.6		DN150	φ285	φ240	8xφ22
ZSFY200-1.6		DN200	φ340	φ295	12xφ22

Fire Gate Valve



PRODUCT DESCRIPTION

Fire gate valve is composed of valve body, valve cover, valve stem, valve stem nut, gate plate and other parts. This valve uses the compensation effect of the elastic gate to produce a small amount of elastic deformation to achieve a good sealing effect. The valve has the remarkable advantages of light switch, reliable sealing, good elastic memory and long life. It adopts full-bore, hidden rod operation, flange bolts Connection, flat-bottomed valve seat, no debris sedimentation, widely used in tap water, sewage, construction, petroleum, chemical, food, medicine, textile, electric power, ships, metallurgy, energy systems and other fluid pipelines as adjustment and shut-off devices .

PRODUCT PARAMETERS

Specification	Fire gate valve								
	50	65	80	100	125	150	200	250	300
Nominal working pressure	1.6MPa								
Strength test pressure	6.4MPa								
Applicable medium	water, oil etc.								
Medium temperature	≤ 80 ° C								

Fire Butterfly Valve



PRODUCT DESCRIPTION

This valve is a kind of rubber sealing butterfly valve, which is widely used in the water supply and drainage pipeline system of electric power, hydraulic power, metallurgy, chemical industry, urban construction and other industries, as an opening and closing or regulating device for controlling the flow of medium. It has the advantages of fast, simple and safe installation, which is not limited by the installation site, and is convenient for the maintenance of pipelines and valves. It has vibration isolation and sound insulation and overcomes the deviation caused by the coaxial connection of pipelines within a certain angle range, and solves the thermal expansion and contraction caused by temperature difference. etc.

PRODUCT PARAMETERS

Specification	Fire butterfly valve								
	50	65	80	100	125	150	200	250	300
Nominal working pressure	1.6MPa								
Strength test pressure	6.4MPa								
Applicable medium	water, oil etc.								
Medium temperature	≤ 80 ° C								

PRODUCT MAINTENANCE

Regularly detect whether the valve mechanical components are normal.

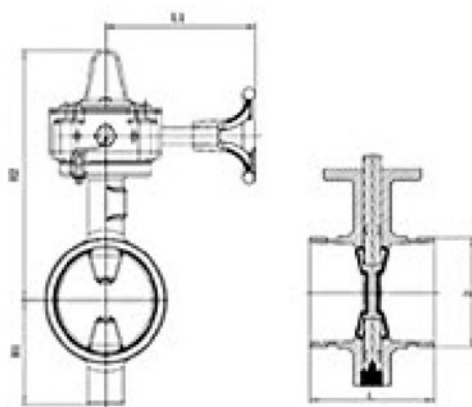
Cleaning valve: Wash the general medium, as long as it is washed with water. However, the media that is harmful to health is first to understand its nature, and then use the corresponding cleaning method.

Easy parts: "O" type ring, each time maintenance, all replace it. The valve holder should check if there is a crack, aging and corrosion traces that may occur in the future, decide whether to replace it according to the results of the examination.

Valve assembly should pay attention to the middle, the bolts should be tightened on the diagonal, and the sliding portion should be added to the oil. After assembly, it should be debugged in the factory test items and method for GB5135.6-2003 standard products.

Grooved Indicating Butterfly Valve

- Certificate: FM Approved
- Standard: AWWA C515
- Test: Factory hydro test 450 psi
- Temperature: 0°C to 100°C
- W. pressure: 300 psi
- Surface: Epoxy coating as Ral3000

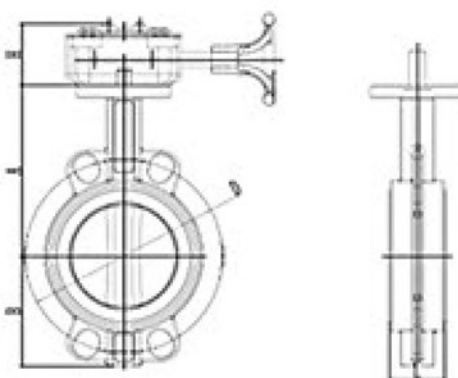


Main parts and material

Body	Ductile iron as A536,65-45-12	Shaft	SS431
Disc	Ductile iron+EPDM /NBR	Signal gearbox	Housing / cover: ductile iron
Worm	Carbon steel or Ductile iron	Handwheel	Ductile iron as A536,65-45-12

Water Butterfly Valve With Gear

- Certificate: NO
- Standard: Class150/PN16/PN10
- Test: Factory hydro test 450 psi
- Temperature: 0°C to 100°C
- W. pressure: 300 psi
- Surface: Epoxy coating as Ral3000

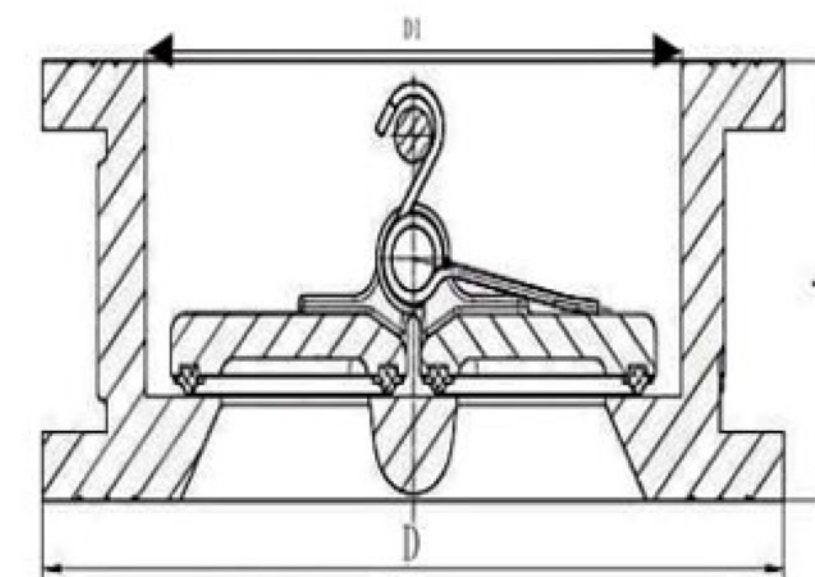


Main parts and material

Body	Ductile iron as A536,65-45-12	Shaft	SS431
Disc	Ductile iron or Stainless Steel	Signal gearbox	Housing / cover: ductile iron
Worm	Carbon steel or Ductile iron	Handwheel	Ductile iron as A536,65-45-12

Water Check Valve

- Certificate: NO
- Standard: AWWA C515
- Test: Factory hydro test 450 psi
- Temperature: 0°C to 100°C
- W. pressure: 300 psi
- Surface: Epoxy coating as Ral3000



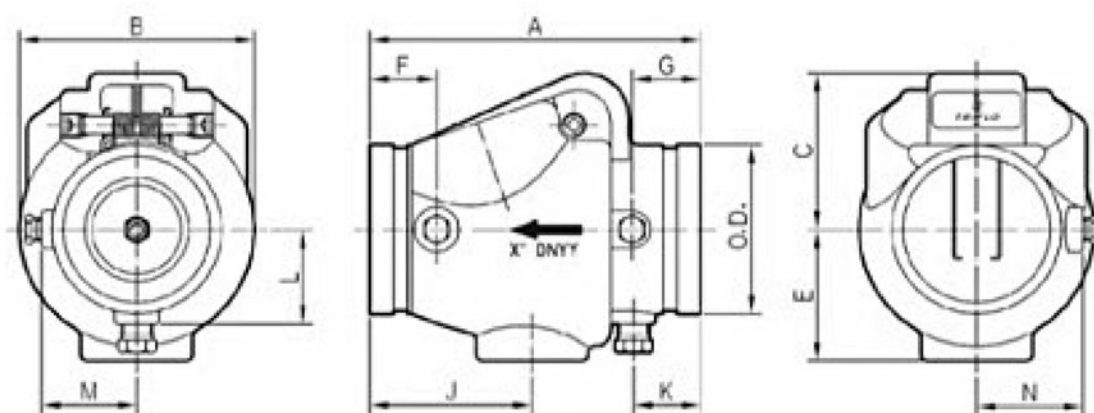
Main parts and material

Body	Ductile iron as A536, 65-45-12
Disc	Ductile iron or Stainless Steel
Seat	EPDM or NBR
Shaft	Stainless Steel
Spring	Stainless Steel

Grooved swing check valve



- Certificate: NO
- Standard: UL 312 / AWWA C508
- Connection: Grooved as AWWA C606
- Test: Factory hydro test 450 psi
- Temperature: 0°C to 100°C
- W. pressure: 300 psi
- Surface: Epoxy coating as Ral3000



Main parts and material

Body	Ductile iron as A536, 65-45-12
Disc	SS304 + EPDM
Seat ring	Bronze as ASTM B62 C83600 / SS304
Hinge pin	AISI 420
Disc	Ductile iron as A536, 65-45-12 + EPDM (5" to 12")
Plug	Galvanized malleable iron / SS Steel

Waterflow indicator

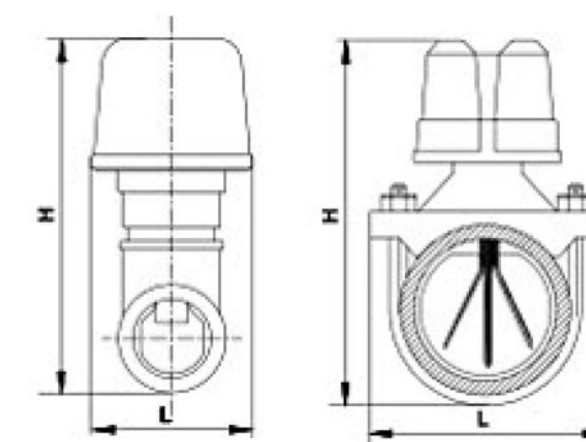
The vane-type waterflow indicator (waterflow detector) is used to detect a sustained flow and give signal on wet-pipesprinkler systems. It includes mechanical time delay feature to reduce the risk of false alarm.



Threaded type (T)



U-bolt type (u)



- Certificate: FM & UL
- Standard: ANSI/ UL 346
- Sensitivity: Flow rate 4-10 US GPM
- Contact ratings: 8A at 125/1250 VAC, 3A at 24VDC
2.5A at 30VDC
- Maximum surge: 18 feet per second (FPS)
- Temperature: 0°C to 68°C
- W. pressure: 450 psi
- Surface: FBE coating as AWWA C550

Main parts and material

Cover	Plastic / AL alloy
Threaded saddle	Copper alloy
Vane / paddle	Plastic
U-bolt saddle	AL alloy / ductile iron

Rubber Flap Check Valve

PRODUCT PARAMETERS

Specification (DN)	50	65	80	100	125	150	200	250	300
Valve length (mm)	205	217	238	292	332	360	492	620	700
Shell test pressure (MPa)	1.5-2.4								
Sealing test pressure (MPa)	1.1-1.76								
Nominal pressure (MPa)	1.0-1.6								
Proper temperature	0-80°C								
Applicable media	Water and weak corrosive fluids								



Muffler Check Valve

PRODUCT PARAMETERS

Specification (DN)	50	65	80	100	125	150	200	250	300
Valve length (mm)	120	132	150	162	188	207	253	278	310
Shell test pressure (MPa)	1.5-2.4								
Sealing test pressure (MPa)	1.1-1.76								
Nominal pressure (MPa)	1.0-1.6								
Proper temperature	0-80°C								
Applicable media	Water and weak corrosive fluids								



Self-operated Differential Pressure Control Valve

PRODUCT PARAMETERS

Nominal pressure		1.6MPa
Shell test pressure		2.4MPa
Differential pressure control range	Constant pressure differential valve	10KPa, 20KPa, 30KPa
	Adjustable differential pressure valve	10-30KPa



100X Diaphragm Remote Control Float Valve

PRODUCT DESCRIPTION

Diaphragm remote control float valve is a hydraulically operated valve with multiple functions. It is mainly installed at the water inlet of the pool or elevated water tower. When the water level reaches the set height, the main valve is controlled by the float ball pilot valve to close the water inlet to stop water supply; when the water level drops, the main valve is controlled by the float ball switch to open the water inlet. Fill the pool with water for automatic replenishment. The liquid level is controlled accurately and is not disturbed by water pressure; the 100X diaphragm type remote control float valve can be installed at any position with the height of the pool and the use space, which is convenient for maintenance, debugging and inspection, reliable sealing and long service life.



200X Adjustable Pressure Reducing Valve

PRODUCT DESCRIPTION

The adjustable pressure reducing valve is composed of a diaphragm main valve, an angle needle valve, a ball valve, a steel pipe, a pressure gauge and a pressure reducing pilot valve. It divides the water flowing through it into upstream and downstream with different pressures, and can supply water to the downstream according to the pressure set by the user (set value $\leq 7/8$ source pressure), and the water supply pressure will not be decompressed due to the fluctuation of inlet pressure and the change of outlet flow. The pilot valve sets the downstream pressure value. Its installation improves the pressure level difference in each area of the same system, and can completely replace the traditional partition water supply form, so as to greatly reduce the engineering cost, increase the building area, and improve the water efficiency. It is suitable for industrial and mining, fire protection, and domestic water supply/drainage systems.



PRODUCT PARAMETERS

Specification (DN)	40	50	65	80	100	125	150	200	250	300
Valve length (mm)	203	203	216	241	292	300	356	457	533	610
Shell test pressure (MPa)	1.5-2.4									
Sealing test pressure (MPa)	1.1-1.76									
Nominal pressure (MPa)	1.0-1.6									
Proper temperature	0-80°C									
Applicable media	Water and weak corrosive fluids									

800X Differential Pressure Bypass Balancing Valve

PRODUCT DESCRIPTION

The differential pressure bypass balancing valve is a valve that does not require an actuator and can rely on the medium's own pressure to accurately and constant the pressure difference between the two ends of the valve. The valve is widely used in the supply and return circulation systems of central air conditioning, fuel oil, gas, etc., which can improve energy utilization efficiency and protect system facilities.



PRODUCT PARAMETERS

Specification (DN)	40	50	65	80	100	125	150	200	250	300
Valve length (mm)	235	235	250	285	365	370	455	580	650	800
Valve height (mm)	415	415	435	475	505	515	575	690	745	775
Shell test pressure (MPa)	1.5-2.4									
Sealing test pressure (MPa)	1.1-1.76									
Nominal pressure (MPa)	1.0-1.6									
Proper temperature	0-80°C									
Applicable media	Water and weak corrosive fluids									

YX741X Adjustable Pressure Reducing & Regulating Valve

PRODUCT DESCRIPTION

Adjustable pressure reducing and regulating valves are generally installed on the pipelines of high-rise building water supply systems and other water supply systems, and can reduce the higher upstream pressure to the downstream pressure that meets the requirements.



PRODUCT PARAMETERS

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
L	203	216	241	292	330	415	457	533	610	686	762	864	914	1067	1300	1450	1650	1800

Grooved Fitting



Material

Ductile iron casting conforming to ASTM A536-45-12 equal To QT450-12

Coating

1.painting 2.epoxy
3.dacromet 4.galvanized

Color

1.Red 2.Blue 3.White
4.Orange



ASTM A53 ERW STEEL PIPE

ASTM A53 ERW steel pipe is formed by rolling strip and welding the seam, with precise dimension and light weight. It is largely used for convey fluids at low/ medium pressures such as oil, gas, steam, water, air and also for mechanical applications.



- **CERTIFICATE** UL Listed/ FM Approved
- **STANDARD** ASTM A53, Type E, Grade B/ UL 852
- **LENGTH** 6m/5.8m/11.8m/12m,customized
- **END** Plain (square cut)/ beveled to 30°/ roll groove as AWWA C606/ NPT thread as ANSI B1.20.1/ BSPT as ISO 7-1
- **SURFACE** Red paint/ red epoxy resin or polyester/ hot dip galvanized/ black paint, etc.

Available size for Sch10 pipe (Light-weight pipe)

Size			Thickness	Mass	Test pressure	Certificates
NPS	DN	OD(mm)	T(mm)	kg/m	MPa	
1/2"	15	21.3	2.11	1.00	4.8	ISO
3/4"	20	26.7	2.11	1.28	4.8	ISO
1"	25	33.4	2.77	2.09	4.8	ISO
1-1/4"	32	42.2	2.77	2.69	9.0	ISO
1-1/2"	40	48.3	2.77	3.11	9.0	ISO
2"	50	60.3	2.77	3.93	13.2	ISO
2-1/2"	65	73.0	3.05	5.26	12.0	ISO
3"	80	88.9	3.05	6.46	9.9	ISO
4"	100	114.3	3.05	8.37	7.7	ISO
5"	125	141.3	3.40	11.56	6.9	ISO
6"	150	168.3	3.40	13.83	5.8	ISO
8"	200	219.1	3.76	19.97	4.9	ISO
10"	250	273.0	4.19	27.78	4.4	ISO

ASTM A53 ERW STEEL PIPE

Available size for Sch40 (STD) pipe

Size			Thickness	Mass	Test pressure	Certificates
NPS	DN	OD(mm)	T(mm)	kg/m	MPa	
1/2"	15	21.3	2.77	1.27	4.8	ISO
3/4"	20	26.7	2.87	1.69	4.8	ISO
1"	25	33.4	3.38	2.50	4.8	UL/FM
1-1/4"	32	42.2	3.56	3.39	9.0	UL/FM
1-1/2"	40	48.3	3.68	4.05	9.0	UL/FM
2"	50	60.3	3.91	5.44	17.2	UL/FM
2-1/2"	65	73.0	5.16	8.63	17.2	UL/FM
3"	80	88.9	5.49	11.29	17.2	UL/FM
4"	100	114.3	6.02	16.08	15.2	UL/FM
5"	125	141.3	6.55	21.77	13.4	UL/FM
6"	150	168.3	7.11	28.26	12.3	UL/FM
8"	200	219.1	7.04	36.82	9.3	UL/FM
10"	250	273.0	7.80	51.01	8.3	UL/FM

Note: For pipe NPs 8" and Nps 10", the thickness follows sch30 ofASME B36.10M, not sch40 ofASME B36.10M (8"/8.18mm, 10" /9.27mm).
*For each reduction of0.01% below the specified carbon max, an increase of0.06 % manganese will be permitted up to a max of 1.65%.
*The total composition of five elements for Cu, Ni, Cr, Mo and V (Copper, Nickel, Chromium, Molybdenum, and Vanadium) shall not exceed 1%.

Chemical compositions(%)

C	Mn	P	S	Cu	Ni	Cr	Mo	V
≤0.30	≤1.20	≤0.05	≤0.045	≤0.40	≤0.40	≤0.40	≤0.15	≤0.08

Mechanical properties

Tensile strength /psiMPa)	Yield strength/psi(MPa)	Longitudinal elongation(%)
≥60000(415)	≥35000(240)	≥19

*The elongation value conforms to TABLE 2 and TABLE X4.1/ X4.2,and BAOLAI refers to normal min value of 19%.

ASTM A795 ERW STEEL PIPE

ASTM A795 ERW pipe is intended for using in water-based fire protection systems for water distribution or valve trim application, such as wet, dry, preaction, or deluge sprinkler systems.



- **CERTIFICATE**
- **STANDARD**
- **LENGTH**
- **END**
- **SURFACE**

UL Listed/FM ApprovedASTM A795, Type E, Grade B/
UL8526m/5.8m/11.8m/12m,customized-
Plain (square cut)/ beveled to 30°/roll-
groove as AWWA C606/ NPT thread
asANSI B1.20.1/ BSPT as ISO 7-1
Red paint/ red epoxy resin or polyes-
ter/hot dip galvanized/ black paint, etc.

Available size for Sch10 pipe (Light-weight pipe)

Size			Thickness	Mass	Test pressure	Certificates
NPS	DN	OD(mm)	T(mm)	kg/m	MPa	
3/4"	20	26.7	2.11	1.28	4.8	ISO
1"	25	33.4	2.77	2.09	4.8	UL/FM
1-1/4"	32	42.2	2.77	2.69	6.9	UL/FM
1-1/2"	40	48.3	2.77	3.11	6.9	UL/FM
2"	50	60.3	2.77	3.93	6.9	UL/FM
2-1/2"	65	73.0	3.05	5.26	6.9	UL/FM
3"	80	88.9	3.05	6.46	6.9	UL/FM
4"	100	114.3	3.05	8.37	8.3	UL/FM
5"	125	141.3	3.4	11.56	8.3	UL/FM
6"	150	168.3	3.4	13.83	6.9	UL/FM
8"	200	219.1	4.78	25.26	5.5	UL/FM
10"	250	273.1	4.78	31.63	4.8	UL/FM

Note: For pipe NPs 8" and NPs 10", the thickness follows ASTM A795, not Sch10 ofASME B36.10M (8"/3.76mm, 10"/4.19mm).

ASTM A795 ERW STEEL PIPE

Available size for Sch40 (STD) pipe

Size			Thickness	Mass	Test pressure	Certificates
NPS	DN	OD(mm)	T(mm)	kg/m	MPa	
1/2"	15	21.3	2.77	1.27	4.8	ISO
3/4"	20	26.7	2.87	1.69	4.8	ISO
1"	25	33.4	3.38	2.50	4.8	UL/FM
1-1/4"	32	42.2	3.56	3.39	6.9	UL/FM
1-1/2"	40	48.3	3.68	4.05	6.9	UL/FM
2"	50	60.3	3.91	5.44	6.9	UL/FM
2-1/2"	65	73.0	5.16	8.63	6.9	UL/FM
3"	80	88.9	5.49	11.29	6.9	UL/FM
4"	100	114.3	6.02	16.08	8.3	UL/FM
5"	125	141.3	6.55	21.77	8.3	UL/FM
6"	150	168.3	7.11	28.26	8.3	UL/FM
8"	200	219.1	7.04	36.82	8.3	UL/FM
10"	250	273.1	7.80	51.03	6.9	UL/FM

Note: For pipe Nes 8" and Nes 10", the thickness folows sch30 ofASME B36.10M. not Sch40 ofASME B36.10M 8 8.18mm. 10" 9.27mm)

Permissible variations

Size			OD tolerance	THK tolerance		Remark
NPS	DN	OD(mm)	mm	Sch10(mm)	Sch40(mm)	
1/2"	15	21.3	20.9~21.7	/	2.42~3.32	1.For pipes ≤ NPs 1-1/2",OD tolerance is±0.4mm 2.For pipe ≥ 2NPs 2",OD tolerance is+ 1% 3.The min THK at any point is notmore than 12.5% 4.The max THK is not defined inASTM A795,and BAOLAI refers toASTM A530 with 20%,22.5% or 15%ast/D ratio.
3/4"	20	26.7	26.3~27.1	1.85~2.53	2.51~3.44	
1"	25	33.4	33.0~33.8	2.42~3.32	2.96~4.06	
1-1/4"	32	42.2	41.8~42.6	2.42~3.32	3.12~4.27	
1-1/2"	40	48.3	47.9~48.7	2.42~3.32	3.22~4.42	
2"	50	60.3	59.7~60.9	2.42~3.32	3.42~4.69	
2-1/2"	65	73.0	72.3~73.7	2.67~3.66	4.52~6.19	
3"	80	88.9	88.0~89.8	2.67~3.74	4.80~6.31	
4"	100	114.3	113.2~115.4	2.67~3.74	5.27~7.37	
5"	125	141.3	139.9~142.7	2.98~4.17	5.73~8.02	
6"	150	168.3	166.6~170.0	2.98~4.17	6.22~8.71	
8"	200	219.1	216.9~221.3	4.18~5.86	6.16~8.62	
10"	250	273.1	270.4~275.8	4.18~5.86	6.83~9.56	

Note: 1. For exact length (cut length), length tolerance is-0.0mm/+6.0mm,as ASTM A530.
2. The weight (mass) tolerance of unit pipe is ±5%.
3. For pipe < NPS 4", weight is measured as per bundle. For pipe >NPS 4", measured as per individual length.



Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
08.01.030	Machine	10	(1)
03.01.19.004	Knurl wheel Ø27-Ø33	0.4	(2)
03.01.19.005	Knurl wheel Ø42-Ø48	0.5	(3)
03.01.19.006	Knurl wheel Ø60-Ø168	0.7	(4)
03.01.19.007	Knurl wheel Ø219	0.8	(5)
03.01.19.001	Pinch roller Ø27-Ø48	0.1	(6)
03.01.19.002	Pinch roller Ø60-Ø168	0.12	(7)
03.01.19.003	Pinch roller Ø219	0.12	(8)

ROLL GROOVING MACHINE

- This machine is a portable manual grooving machine
- Equipped with unique knurl wheels for grooving 3/4"-8" pipe
- Allow to be mounted to a RIDGiD 300 power drive

Specifications

Capacity

3/4" -8" (Ø27-Ø219) SCH40 steel pipe

Max.wall thickness: 6mm

G.W: 19.5kgs

Packaging size: 42×19×36cm



Specifications

Capacity

2"-12" (Ø 60-Ø 325) SCH40 steel pipe

2"-12" (Ø 60-Ø 325) SCH10S SCH5S SCH10 SCH5 thin

Max.wall thickness: 10mm

Output RPM : 23rpm

G.W: 158kgs

Packaging size: 78×70×92(cm)



Standard Equipment

*For SCH10S SCH5S SCH10 SCH5 thin wall steel pipe

Art.No.	Description	N.W(kgs)
09.03.009	thin-wall knurl wheel Ø60 -Ø76	0.55
09.03.010	thin-wall knurl wheel Ø89-Ø168	1.28
09.03.011	thin-wall knurl wheel Ø219 -Ø325	1.43



ROLL GROOVING MACHINE

- This machine is designed for grooving 2"-12" steel pipe
- Powered by high-performance gear reducing motor contributing to compact size and low noise
- Unique integral hydraulic pump structure and groove depth limitation device ensure high quality grooves and high working efficiency



Art.No.	Phase	Voltage	Frequency
08.01.002.01	Single phase	110/120/220/230/240V	50/60HZ
08.01.002.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref NO.
09.02.031	Pipe stand	18	(2)
03.01.01.016	Knurl wheel Ø60-Ø76	0.545	(3)
03.01.01.015	Knurl wheel Ø89-Ø168	1.265	(4)
03.01.01.014	Knurl wheel Ø219-Ø325	1.415	(5)
03.01.01.026	Pinch roller Ø60-Ø168	0.885	(6)
03.01.01.025	Pinch roller Ø219-Ø325	0.85	(7)

*Reminding: Please select TWG-IVA if groove large number of 12 inch pipes

PIPE CUTTING MACHINE

- Cold extrusion process design, no sparks , dusts and metal chips appear during cutting operation
- The patented oil pump is specially designed to shorten the idlestroke and reduce the working time.
- Equipped with wheels for moving the machines easily

Specifications

Capacity

2"-12" (Ø60-Ø325) SCH40 steel pipe

Max.wall thickness: 10mm

Output RPM :23rpm

G.W: 143kgs

Packaging size: 72×69×97(cm)



Art.No.	Phase	Voltage	Frequency
08.01.002.01	Single phase	110/120/220/230/240V	50/60HZ
08.01.002.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref NO.
09.02.046	Pipe stand	14	(1)
03.02.01.014	Alloy blade	1.3	(2)

Specifications

Capacity

1"-4" (Ø25-Ø114) holes

Max.hole dia: 114mm

Max.wall thickness: 10mm

Output RPM :110rpm

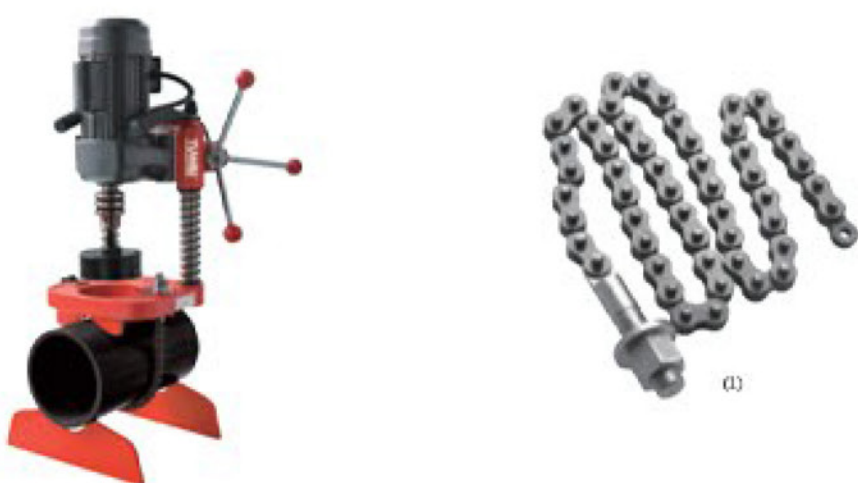
G.W: 26kgs

Packaging size: 32×32×64(cm)



HOLE CUTTING MACHINE

- This machine is designed for drilling holes up to 4" on a steel pipe. Equipped with a high-performance low-noise gear reduction motor to offer high torque



Art.No.	Phase	Voltage	Frequency
08.03.003.01	Single phase	110/120/220/230/240V	50/60HZ
08.03.003.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref NO.
09.02.029	Tightening chain	0.9	(1)