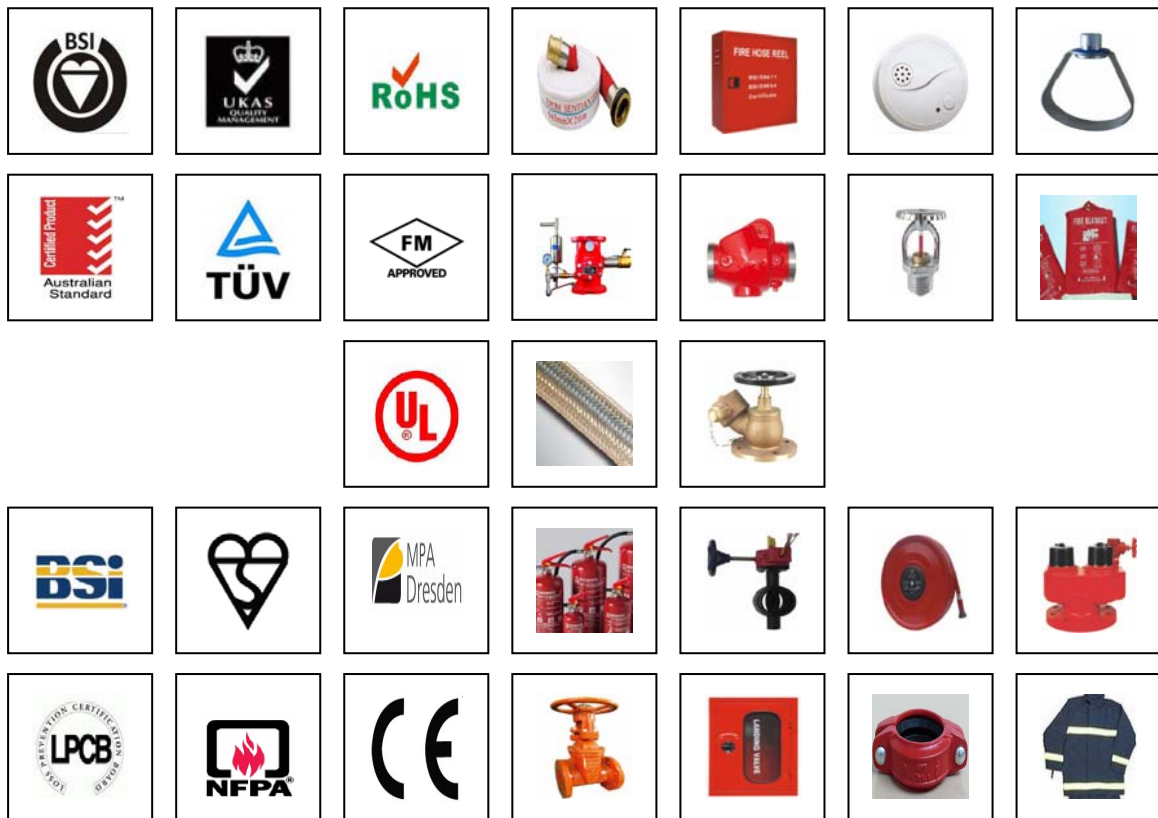




# PROFESSIONAL SUPPLIER

FOR

# FIRE-FIGHTING EQUIPMENT



**IRON MAN INDUSTRY LIMITED**

## Dry Powder Fire Extinguisher – Stored Pressure



Stored Pressure Extinguishers are designed for the protection of light, ordinary and extra high hazards. These compact extinguishers are suited for both industrial and commercial fire protection needs.

- ◆ Manufacturing as per standard BSEN3
- ◆ Highly effective on class A,B,C & Electrical fires
- ◆ Cylinders are 100% factory tested to 30 bar
- ◆ Squeeze grip valve for comfortable operation
- ◆ Nickel plated Brass Valve with reliability and long life
- ◆ Rugged PVC pick up tube enables smooth flow of the agent
- ◆ Precision built mechanical pressure gauge
- ◆ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance

### Specification:

Product Code	FT-01-00	FT-02-00	FT-03-00	FT-04-00	FT-06-00	FT-09-00	FT-012-00
Capacity	1 KG	2 KG	3 KG	4 KG	6 KG	9 KG	12 KG
Fire Rating	8A 34B C	13A 55B C	21A 70B C	27A 89B C	34A 183B C	43A 183B C	55A 233B C
Working pressure(bar)	15	15	15	15	15	15	15
Test pressure(bar)	30	30	30	30	30	30	30
Total weight(kg)	2.98	4.71	6.74	11.4	16.7	24	31.1
Temperature range(°C)	-20°C~60°C						
Material	DC01						
Filling charge	40%ABC(EN615)						

# Dry Powder Fire Extinguisher – Stored Pressure



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- ◆ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance

Product Code	PDB10	PDB20	PDB40	PDB60	PRB60	PDB90
Capacity	1 KG	2 KG	4 KG	6 KG	6 KG	9 KG
Fire Rating	8A 55B C	13A 89B C	27A 183B C	43A 233B C	43A 233B C	55A 233B C
Cylinder Structure	Deep drawn				Rolling welded	Deep drawn
Operating Pressure	14 bar	14 bar	14 bar	14 bar	14 bar	14 bar
Discharge Time	8 s	10 s	17 s	17 s	17 s	22 s
Temperature range(°C)	-30°C~60°C					

## Dry Powder Fire Extinguisher – Trolley Type



- ◆ CE Approved brass valve
- ◆ Steel or Stainless Steel Cylinder
- ◆ DIN EN3 Approved Pressure Gauge
- ◆ Quality Rubber Hose With High Performance Nozzles
- ◆ 100% Helium Leak Detected
- ◆ Production under ISO9001 quality system
- ◆ Standard: EN1866
- ◆ Stainless Steel Cylinder Available

### Specification:

Product Code	PD25	PD50	PD100E
Capacity	25 KG	50 KG	100KG
Fire Rating	A IIB C	A IVB C	A IVB C
Working pressure(bar)	15	15	15
Test pressure(bar)	30	30	30
Total weight(kg)	57.5	90.88	160
Temperature range(°C)	-30°C~60°C		
Filling charge	40%ABC(EN615)		



## Foam Fire Extinguisher – Portable Type



- ◆ Portable and compact design
- ◆ Simple operation and maintenance
- ◆ Ready for instant use
- ◆ Exceptionally effective on class A & B fire
- ◆ Cylinder made of special steel to withstand high pressures
- ◆ Cylinders are 100% factory tested to 30 bar
- ◆ Nickel plated Brass Valve with reliability and long life
- ◆ Precision built mechanical pressure gauge
- ◆ Rugged PVC pick up tube enables smooth flow of the agent
- ◆ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance
- ◆ Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process

Foam fire extinguishers are ideal for multi-risk situations where class A and B fires that typically involve liquids or materials that liquefy such as petrol, oils, paints and fats. Foam fire extinguishers should not be used on live electrical equipment. All models have a spray nozzle which produces a very effective spread of foam, even when used by an inexperienced operator. Foam fire extinguishers are perfect for use in prestigious office environments as they are supplied complete with bracket and can quickly and easily be wall mounted or placed on a fire extinguisher floor stand.

### Specification:

Product Code	FDB60	FDA90
Capacity	6 L	9 L
Fire Rating	27A/183B	34A/233B
Working pressure(bar)	12	12
Cylinder Structure	Deep-drawn	Deep-drawn
Discharge Time	22 s	30 s
Temperature range(°C)	+5°C~60°C	

## Foam Fire Extinguisher – Trolley type



- ◆ Ready for instant use and simple to operate
- ◆ Design, Manufacture and inspection comply with EN1866 standard
- ◆ Cylinder listed by European Directive PED97/23/EC
- ◆ Cylinder with CE mark
- ◆ High – grade brass head valve assembly with pressure release valve ensures reliability and optimizes efficiency with EN3 Approval
- ◆ Precision built mechanical pressure gauge provides a very accurate indication of extinguisher’s pressure status
- ◆ Pressure gauge with EN3 Approval
- ◆ Electrostatic powder painting
- ◆ Corrosion resistance
- ◆ Easily transportable

Foam trolley fire extinguishers are the perfect fire protection equipment for use on sites, warehouses and in larger industrial sites. This kind of extinguishers are sturdy and robust. Manufactured from robust materials and are on wheels to make them easy to move.


Special capacity can upon the request to adjusted.

Filling charge Water is available

Specification:

Product Code	PKFE0925	PKFE0950
Capacity	25 L	50L
Fire Rating	55A/233B	55A/233B
Working pressure(bar)	15	15
Test pressure(bar)	30	30
Min wall-thickness(mm)	2.5	2.5
Temperature range(°C)	+0°C~60°C	

## Water Fire Extinguisher – Portable Type

	<ul style="list-style-type: none"> <li>◆ Portable and compact design</li> <li>◆ Simple operation and maintenance</li> <li>◆ Ready for instant use</li> <li>◆ Exceptionally effective on class A fire</li> <li>◆ Cylinder made of special steel to withstand high pressures</li> <li>◆ Cylinders are 100% factory tested to 30 bar</li> <li>◆ Nickel plated Brass Valve with reliability and long life</li> <li>◆ Precision built mechanical pressure gauge</li> <li>◆ Rugged PVC pick up tube enables smooth flow of the agent</li> <li>◆ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance</li> <li>◆ Internally coated with Polyolefin &amp; thermosetting polymer powder using whirl sintering process</li> </ul>
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Water fire extinguishers offer protection against class A fires that typically involve common combustible materials such as wood, paper, straw, textiles, soft furnishing and materials. Remember not to use Water fire extinguishers on fires that involve live electrical equipment. Our tried and tested 9L water fire extinguisher is filled only with pure water and is therefore safe for the environment. They are suitable for use in a wide range of environments including offices, factories and warehouses.

Specification:

Product Code	WDA60	WDA90
Capacity	6 L	9 L
Fire Rating	21A	21A
Working pressure(bar)	12	12
Cylinder Structure	Deep-drawn	Deep-drawn
Discharge Time	65s	65s
Temperature range(°C)	+5°C~60°C	

## Cartridge Fire Extinguisher – Internal Type(CO2)



- ◆ Portable and compact design
- ◆ Simple operation and maintenance
- ◆ Ready for instant use
- ◆ Cylinder made of special steel to withstand high pressures
- ◆ Cylinders are 100% factory tested to 30 bar
- ◆ Nickel plated Brass Valve with reliability and long life
- ◆ Precision built mechanical pressure gauge
- ◆ Rugged PVC pick up tube enables smooth flow of the agent
- ◆ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance
- ◆ Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process

Cartridge fire extinguishers are ideal for high – hazard areas where fast, effective fire protection is needed such as mining, utilities, forestry, transportation, petroleum and heavy industry. All units use carbon dioxide CO2 as the expellant gas.

Available in 6 Kg , 9Kg powder and 6L, 9L foam or water.

### Specification:

Product Code	GWDA60	GWDB90	GFDB60	GFDA90	GPDA60	GPDB90
Capacity	6 L	9 L	6 L	9 L	6 KG	9KG
Fire Rating	21A	21A	27A 183B	34A 233B	55A 233B C	55A 233B C
Working pressure(bar)	12	12	12	12	12	12
Cylinder Structure	Deep-drawn	Deep-drawn	Deep-drawn	Deep-drawn	Deep-drawn	Deep-drawn
Discharge Time	22s	30s	22s	30s	22s	30s
Temperature range(°C)	+5°C~60°C	+5°C~60°C	+5°C~60°C	+5°C~60°C	-30°C~60°C	-30°C~60°C
Filling Charge	Pure water	Pure water	AFFF foam	AFFF foam	40%ABC	40%ABC

## Cartridge Fire Extinguisher – External Type(N<sub>2</sub>)



Foam trolley fire extinguishers are the perfect fire protection equipment for use on sites, warehouses and in larger industrial sites. This kind of extinguishers are sturdy and robust. Manufactured from robust materials and are on wheels to make them easy to move.

Special capacity can upon the request to adjusted.

Filling charge Water is available

Specification:

Product Code	WN29-01	WN29-02	WN29-03
Capacity	25 L	50 L	100L
Fire Rating	55A IB C	55A IIB C	55A IIIB C
Test pressure(bar)	35	35	35
Min Wall-thickness(mm)	2.5	3.0	3.0
Material	HP295	HP295	HP325
Temperature range(°C)	+0°C~55°C	+0°C~55°C	+0°C~55°C
External gas cartridge			
Drive gas 9Mpa	N <sub>2</sub> (2) L	N <sub>2</sub> (2.5) L	N <sub>2</sub> (3.7) L
Material	CK45	CK45	CK45



# CO2 Fire Extinguisher – Portable type



Carbon dioxide gives fast, safe and effective protection for fires involving electrical equipment and flammable liquids. CO2 is recognized for its non-damaging, highly effective performance and cleanliness. They are generally suited for indoor use, making them ideal for today's office environments

- ◆ Manufacturing as per standard BSEN3
- ◆ Exceptionally effective on class b c & electrical fire
- ◆ Portable and compact design, Special hangers for wall mounting
- ◆ Cylinder deep drawn for higher tensile strength
- ◆ Cylinder made of special steel to withstand high pressures, tested at 250 bar
- ◆ High-grade brass head assembly with safety valve
- ◆ Unbreakable rising pipe, high gloss polyester powder painted uv stabilized
- ◆ Discharge nozzle designed to produce a jet of extinguishing gas for fast fire suppression

Specification:

Product Code	CA20	CA50	CA20-1	CA50-1
Capacity	2 KG	5 KG	2 KG	5 KG
Fire Rating	34B	89B	34B	89B
Working pressure(bar)	170	170	170	170
Test pressure(bar)	250	250	250	250
Total weight(kg)	10.2	21.6	9.46	22.26
Temperature range(°C)	-20°C~60°C			
Material	34Cr m04		CK45	
Filling charge	2kg CO2	5kg CO2	2kg CO2	5kg CO2

## CO2 Fire Extinguisher – Portable Type



- ◆ Exceptionally effective on class b c & electrical fire
- ◆ Portable and compact design, Special hangers for wall mounting
- ◆ Cylinder deep drawn for higher tensile strength
- ◆ Cylinder made of special steel to withstand high pressures, tested at 250 bar
- ◆ High-grade brass head assembly with safety valve
- ◆ Unbreakable rising pipe, high gloss polyester powder painted uv stabilized
- ◆ Discharge nozzle designed to produce a jet of extinguishing gas for fast fire suppression

Specification:

Product Code	WN14-01	WN14-02	WN14-03	WN14-04	WN14-05	WN14-06	WN14-07	WN14-08
Capacity	1.3 KG	2 KG	2.3 KG	3 KG	4 KG	4.5KG	5 KG	6 KG
Fire Rating	21B	34B	34B	34B	70B	70B	89B	89B
Working pressure(bar)	174	174	174	174	174	174	174	174
Test pressure(bar)	250	250	250	250	250	250	250	250
Total weight(kg)	5.4	7	8	11	13	14	15	18
Temperature range(°C)	-20°C~60°C							
Material	34Cr m04							

## CO2 Fire Extinguisher – Trolley Type



Carbon dioxide trolley with special discharge hose and horn to use in high reach hazardous area is also available

- ◆ Cylinders are made of seamless carbon-manganese pipes which have high mechanical properties
- ◆ Cylinder designed to withstand high pressure and tested at 250bar
- ◆ High-grade brass head valve ensures reliability and optimizes efficiency
- ◆ Head valves are either lever operated or rotary operated
- ◆ Unbreakable rising pipe made of aluminum to ensure long lasting life
- ◆ Safety valve is fitted in each extinguisher for maximum safety
- ◆ High gloss polyester powder painted uv stabilized
- ◆ Discharge nozzle designed to produce a jet of extinguishing gas

### Specification:

Product Code	WN15-10	WN23-02	WN23-03	WN	WN23-04	WN23-5	WN23-6	WN
Capacity	9KG	10KG	20KG	20KG	25KG	30KG	50KG	60KG
Fire Rating	113B	183B	233B	233B	233B	233B	233B	233B
Working pressure(bar)	174	174	150	150	150	150	150	150
Test pressure(bar)	250	250	225	225	225	225	225	225
Total weight(kg)	30	50	100	100	110	117	207	227
Temperature range(°C)	-20°C~60°C			-30°C~55°C				
Material	CK45			37Mn				

# Automatic Fire Extinguisher



- ◆ Suitable for class A B C fires
- ◆ Automatic Sprinkler(different temperature bulb available) Valve with Pressure Release
- ◆ CE approved cylinder with and red powder painted
- ◆ High Performance Dry Chemical Powder according to DIN EN615
- ◆ High efficiency AFFF foam & Premix Foam
- ◆ 100% Helium Leak Detected
- ◆ Production Under ISO9001 Quality System

	POWDER						FOAM		
Model	AT-PD1	AT-PD4	AT-PD6-L	AT-PD6-S	AT-PD9	AT-PD12	AT-FM3	AT-FM6	AT-FM9
Capacity	1	4	6	6	9	12	3	6	9
C Diameter	85	240	240	280	300	360	240	240	300
C Height	94	164	224	180	220	220	164	224	220
C Volume	0.3	5	7.2	7.5	10.5	15.8	5	7.2	19.5
Weight	3	8.9	12	12.4	20	24.8	8.8	12.7	20
Working Pressure	15bar						10bar		
Test Pressure	30bar						30bar		
Operation Temperature	-30°C - 60°C						5°C - 60°C		

# Fire Extinguisher Cabinet



Single Fire Extinguisher Cabinet

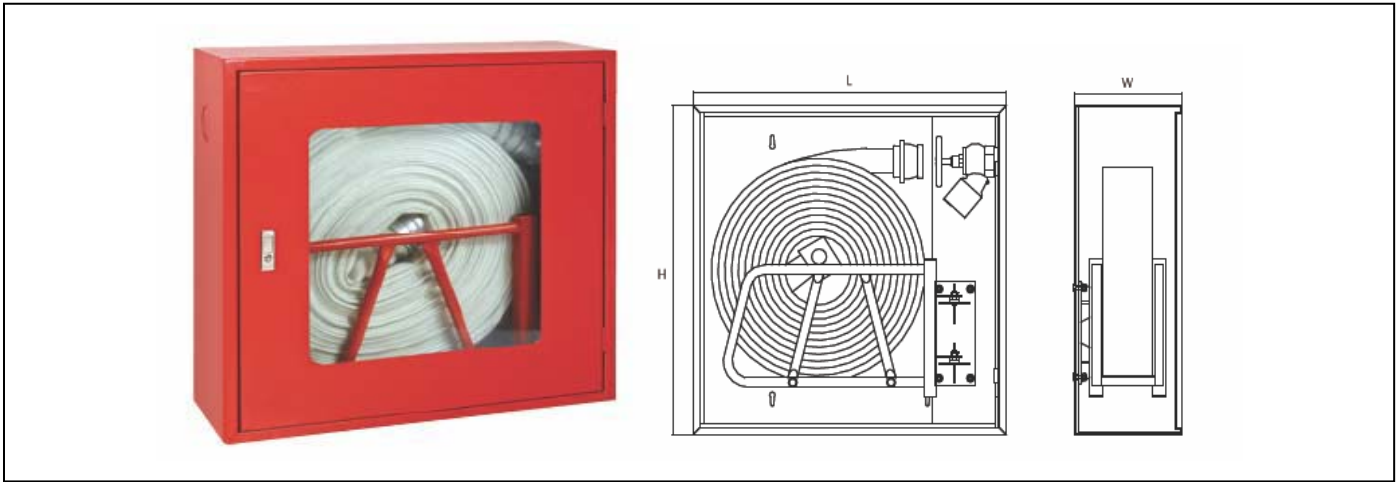
Size	Dimension	Material
6kg	650*280*230	Steel or Stainless Steel
9kg	760*280*230	Steel or Stainless Steel
12kg	850*340*300	Steel or Stainless Steel

Double Fire Extinguisher Cabinet

Size	Dimension	Material
4kg	580*420*200	Steel or Stainless Steel
6kg	650*560*230	Steel or Stainless Steel
9kg	760*560*230	Steel or Stainless Steel



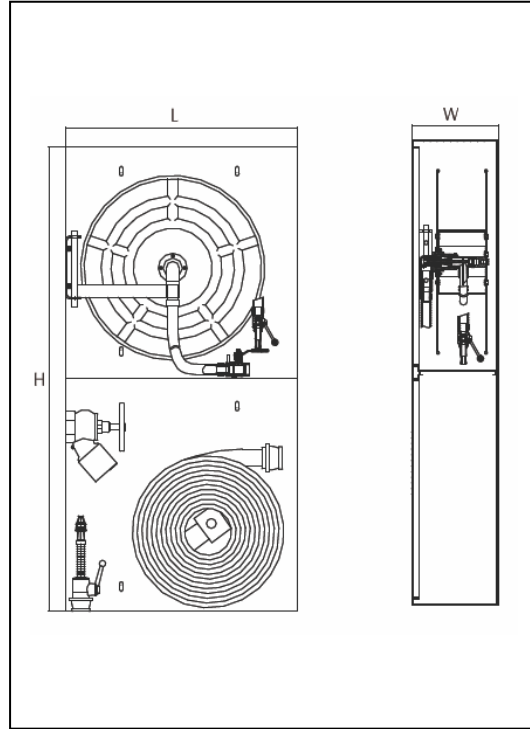
# Fire Hose Cabinet – Single Door



- ◆ Cabinet with door made of 1.2mm electro - galvanized steel sheet
- ◆ Recessed type door lock & handle with chrome plating
- ◆ Cabinet painted with red electrostatic powder coating. Other colors are available on request
- ◆ 2.5" X 100 feet polyester fire hose. Other sizes and lengths are available on request
- ◆ 2/2.5" landing valve with quick coupling. Other sizes also available
- ◆ 2.5" adjustable nozzle
- ◆ Dimension Size can upon request to design
- ◆ Surface Mounted type and Recessed type are available

Size	Dimension	Connection	Inlet	Outlet	Material of Construction	Cabinet Mounting
50mm*20M	750*700*200	BS336	2.5" BSP	12.5mm	Electro-galvanized Steel Sheet	Surface Mounted
50mm*30M	800*750*200	BS336	2.5" BSP	12.5mm	Stainless Steel	Recessed
65mm*20M	750*700*240	BS336	2.5" BSP	15mm	Electro-galvanized Steel Sheet	Surface Mounted
65mm*30M	800*750*240	BS336	2.5" BSP	20mm	Stainless Steel	Recessed

# Fire Hose Cabinet – Double Door



- ◆ Upper compartment specially designed for mounting swinging pipe type hose reels
- ◆ Lower compartment can accommodate the following:  
Fire hose rack 1.5" x 30 mtr. / 2.5" x 30 mtr. with complete accessories or 2.5" x 30 mtr. lay flat fire hose + 2 portable extinguishers + 2.5" landing valve + nozzle.
- ◆ Special hose reel mounting bracket with minimal cabinet depth.
- ◆ Swinging pipe type hose reel can be mounted on either side of the cabinet based on the site condition/ riser access.
- ◆ Inlet lock shield control valve, pressure reducing valve are fixed.

Size	Dimension	D(mm)	Inlet	Outlet	Material of Construction	Cabinet Mounting
19mm*20M	1450*720*250	580	1" BSP	6 mm	Electro-galvanized Steel Sheet	Surface Mounted
19mm*30M	1450*720*250	580	1" BSP	6 mm	Stainless Steel	Recessed
25mm*20M	1450*720*280	580	1" BSP	8 mm	Electro-galvanized Steel Sheet	Surface Mounted
25mm*30M	1450*720*280	580	1" BSP	8 mm	Stainless Steel	Recessed

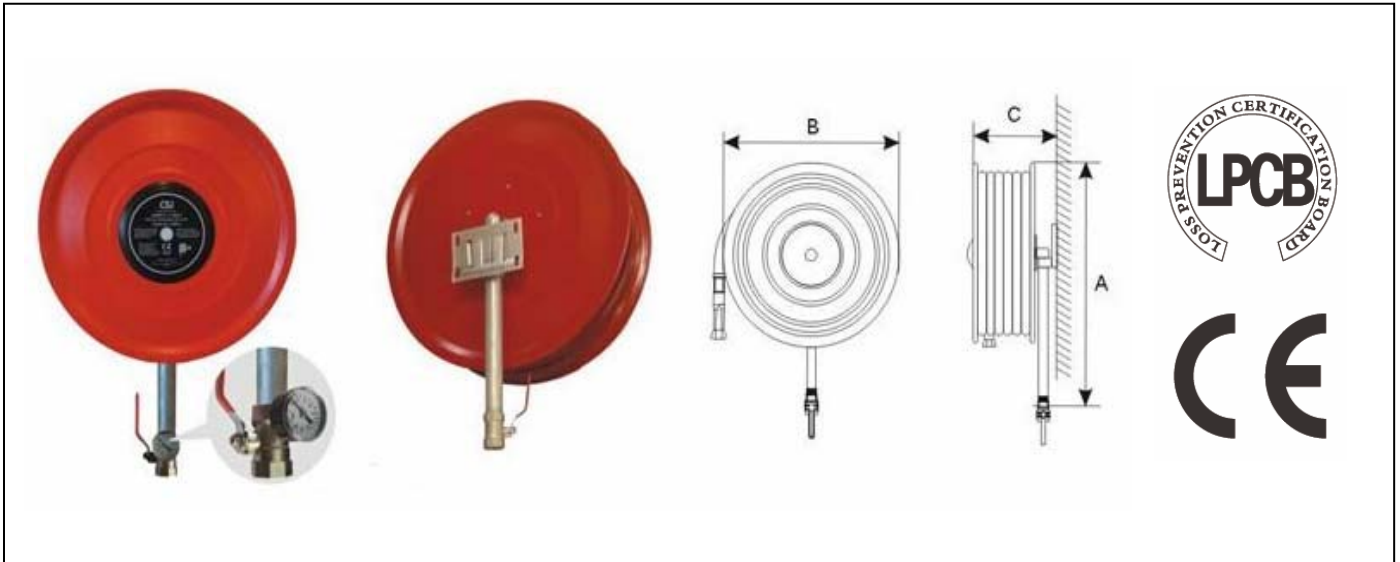
## Hose Reel Cabinet – Single Door



- ◆ Cabinet with door made of 1.2mm electro – galvanized Steel sheet
- ◆ Cabinet to accomodate Hose reel with 1 "x 30M hose or 3/4"x 30M hose.
- ◆ Cabinet and Hose Reel painted with red electrostatic powder coating. Other colors are available on request.
- ◆ Recessed type door lock & handle with chrome plating
- ◆ Plastic nozzle with jet/spray/shut - off.
- ◆ Landing valve of 1" size, in brass chrome finish.
- ◆ Fire Hose Reel can be either manual or automatic
- ◆ Hose Reel Cabinet is available in different colors and mounting versions to suit various architectural requirements.

Size	Dimension	Material of Construction	Cabinet Mounting
19mm*25M	700*700*250	Electro-galvanized Steel Sheet, Full Stainless Steel	Recessed
19mm*30M	700*700*250		
25mm*30M	780*780*250		
19mm*25M	700*700*250	Electro-galvanized Steel Sheet, Full Stainless Steel	Surface Mounted
19mm*30M	700*700*250		
25mm*30M	780*780*250		

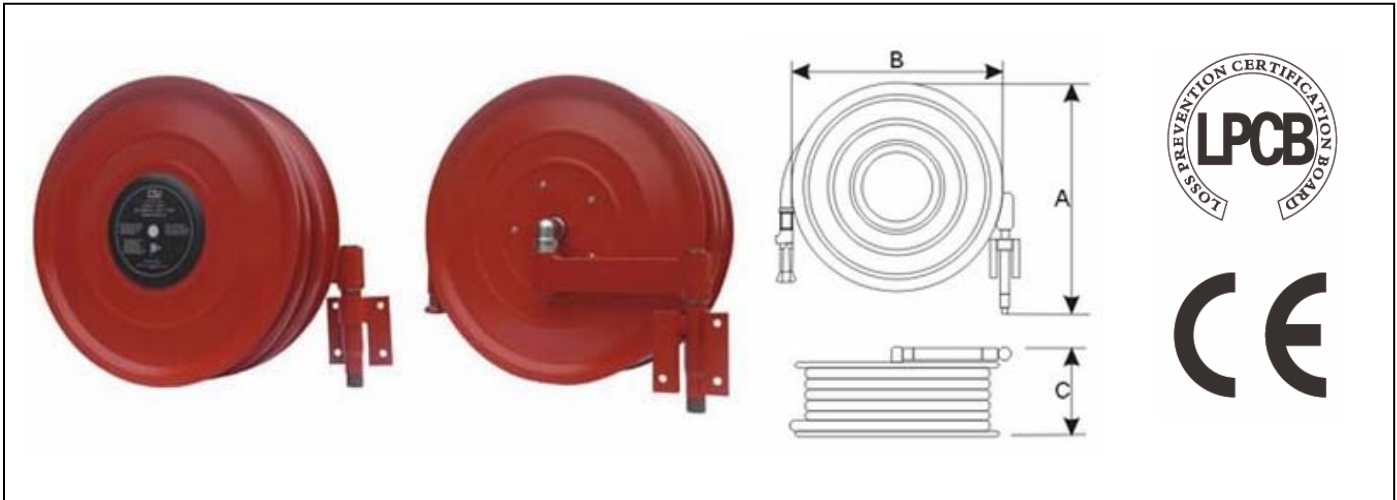
## Fire Hose Reel – Fixed Type



- ◆ Manufactured complied with BS EN671 – 1 standard
- ◆ Hose reel discs are manufactured using 1.2mm electro galvanized steel sheets and has ribs that gave extra strength, which in turn avoid twisting
- ◆ Hose reel drum painted with red powder coating or chrome in stainless steel finish are available upon request
- ◆ Plastic nozzle supplied has jet/spray/shut-off operations.
- ◆ Chrome plated brass nozzle is available upon request.
- ◆ Hose has working pressure of 12 bar and bursting pressure of 50 bar and it is red in color, black color also available upon request.
- ◆ Inlet stop valve 1" size in made of brass and finished with chrome. Brass finish available upon request.
- ◆ Hose guide could be supplied upon request.

Model	Type	Diameter & Length	Height(mm)	Width(mm)	Depth(mm)
CSJR-02-A	Fixed & Manual	19mm * 30m	720	555	230
CSJR-02-A	Fixed & Manual	25mm * 30m	720	555	260
CSJR	Fixed & Automatic	19mm * 30m	720	555	230
CSJR	Fixed & Automatic	25mm * 30m	720	555	260

## Fire Hose Reel – Swing Pipe Type

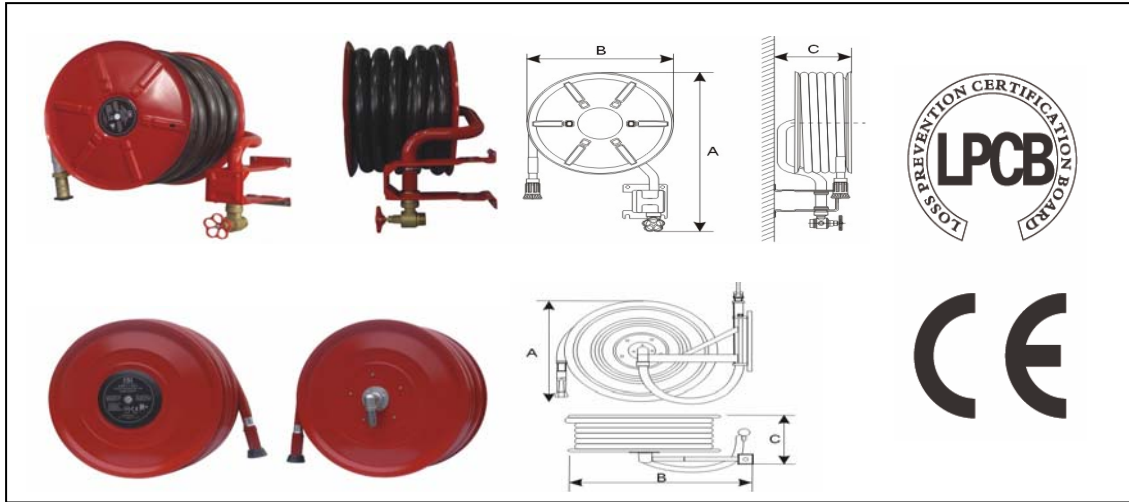


- ◆ Manufactured complied with BS EN671 – 1 standard
- ◆ Hose reel discs are manufactured using 1.2mm electro galvanized steel sheets and has ribs that gave extra strength, which in turn avoid twisting
- ◆ Hose reel drum painted with red powder coating or chrome in stainless steel finish are available upon request
- ◆ Plastic nozzle supplied has jet/spray/shut-off operations.
- ◆ Chrome plated brass nozzle is available upon request.
- ◆ Hose has working pressure of 12 bar and bursting pressure of 50 bar and it is red in color, black color also available upon request.
- ◆ Inlet stop valve 1" size in made of brass and finished with chrome. Brass finish available upon request.
- ◆ Hose guide could be supplied upon request.
- ◆ Swinging hose reel is mounted on an arm which swings 180° and the hose can be run out in all directions without a hose guide
- ◆ Valve opens automatically within three revolutions of the reel

Model	Type	Diameter	Height(mm)	Width(mm)	Depth(mm)	Mounted
CSJR-12-A	Swinging Pipe & Manual	19mm * 30m	580	555	250	Wall mounted & Cabinet mounted
CSJR-13-A	Swinging Pipe & Automatic	19mm * 30m	580	555	260	
CSJR-14-A	Swinging Pipe & Manual	25mm * 30m	625	600	250	
CSJR-15-A	Swinging Pipe & Automatic	25mm * 30m	625	600	260	



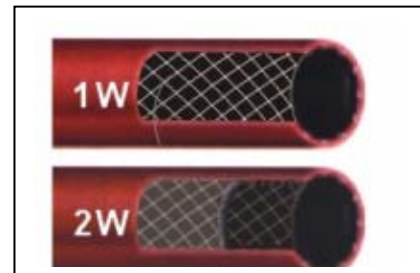
# Fire Hose Reel – Swing Type



- ◆ Manufactured complied with BS EN671 – 1 standard
- ◆ Hose reel discs are manufactured using 1.2mm electro galvanized steel sheets and has ribs that gave extra strength, which in turn avoid twisting
- ◆ Hose reel drum painted with red powder coating or chrome in stainless steel finish are available upon request
- ◆ Plastic nozzle supplied has jet/spray/shut-off operations.
- ◆ Chrome plated brass nozzle is available upon request.
- ◆ Hose has working pressure of 12 bar and bursting pressure of 50 bar and it is red in color, black color also available upon request.
- ◆ Inlet stop valve 1” size in made of brass and finished with chrome. Brass finish available upon request.
- ◆ Hose guide could be supplied upon request.
- ◆ Swinging hose reel is mounted on an arm which swings 180° and the hose can be run out in all directions without a hose guide
- ◆ Valve opens automatically within three revolutions of the reel

Model	Type	Diameter	Height(mm)	Width(mm)	Depth(mm)	Mounted
CSJR-01-A	Swinging& Manual	25mm * 30m	736	555	293	Wall mounted & Cabinet mounted
CSJR-01-B	Swinging& Manual	33mm * 20m/30m	823	555	427	
CSJR-06-A	Swinging& Automatic	19mm * 20m/ 30m	555	570	200	
CSJR-06-B	Swinging& Automatic	25mm * 25m/30m	555	580	230	

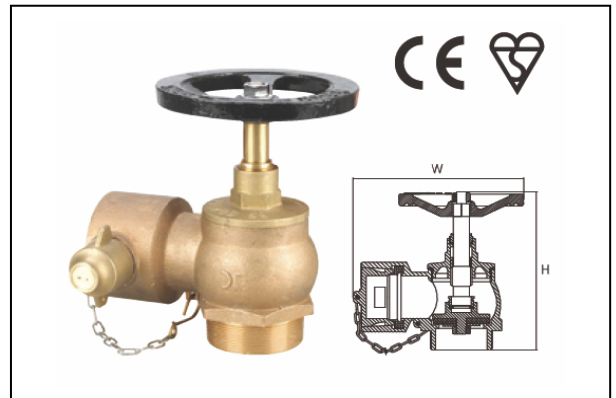
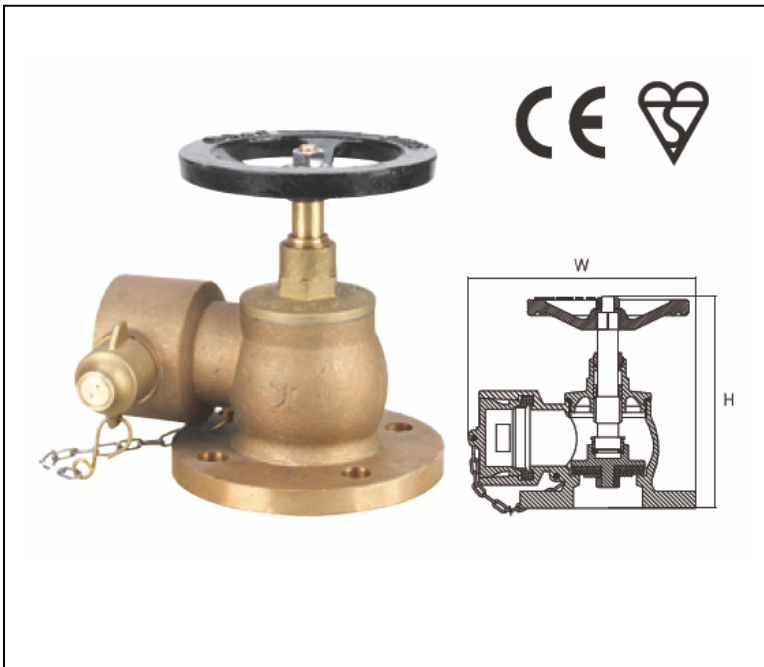
# Semi Rigid Hose



- ◆ Seamless Plastic Lining
- ◆ Textile reinforcement without a Rigid Spiral Helix
- ◆ Plastic Cover
- ◆ Outer layer is coated by UV inhibitor, Colorfast
- ◆ Approval by EN694

3/4" * 1W	WP.12Bar	BP.42Bar
3/4"* 2W	WP.20Bar	BP.60Bar
1"*1W	WP.12Bar	BP.42Bar
1"*2W	WP.20Bar	BP.60Bar
1 1/4"	WP.12Bar	BP.36Bar
1 1/2"	WP.12Bar	BP.36Bar

# Right Angle Landing Valve



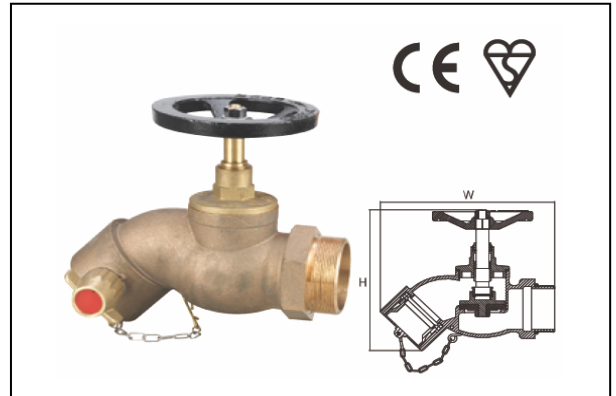
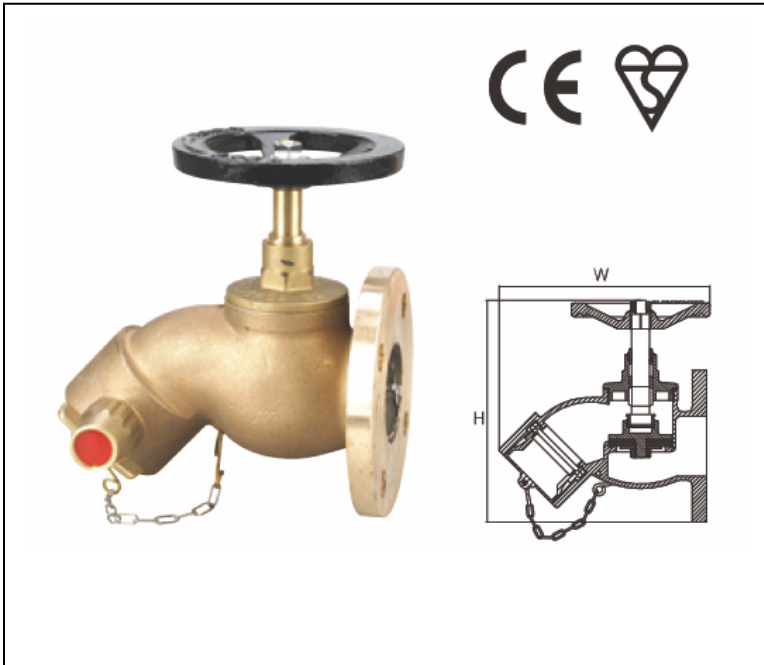
Size	H(mm)	W(mm)	Inlet	Outlet
DN50	198	213	165 F	BS336
DN65	198	223	185 F	BS336
DN65	205	205	2.5"BSPT	BS336
DN65	200	205	2.5"BSP	BS336

Landing Valves are used for fighting fire with water and accordingly mounted in fire hydrant system at Internal or External places. The landing valves are sometimes also referred to as internal hydrants because they are usually fitted inside the buildings for wet hydrant system.

Specification:

Model No	KX06-198D-00
Standard	Certificate to BS 5041-1 Approve by BSI
Body	Copper alloy, Thickness $\geq 3$ mm
Hand wheel	Grey cast iron or Aluminum alloy
Black cap	Copper alloy or Plastic
Inlet	Flanged or BSP Screwed
Outlet	Female instantaneous to BS336
Surface	Red or yellow painting
Test pressure	22.5 bar
Flow rates	More than 8.5L/S
Fully open	4.5 turns

# Bib Nose Type Landing Valve



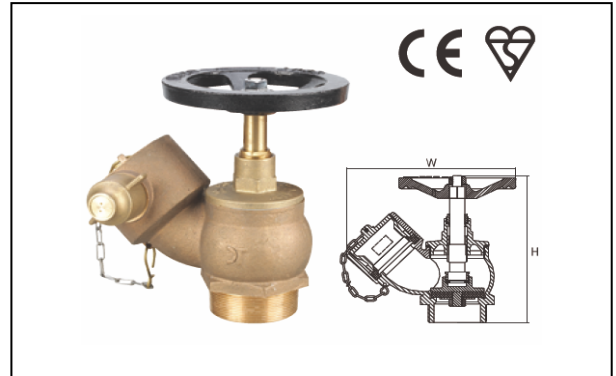
Size	H(mm)	W(mm)	Inlet	Outlet
DN50	240	225	165 F	BS336
DN65	250	225	185 F	BS336
DN65	225	263	2.5"BSPT	BS336
DN65	225	263	2.5"BSP	BS336

Landing Valves are used for fighting fire with water and accordingly mounted in fire hydrant system at Internal or External places. The landing valves are sometimes also referred to as internal hydrants because they are usually fitted inside the buildings for wet hydrant system.

Specification:

Model No	KX06-200C-00
Standard	Certificate to BS 5041-1 Approve by BSI
Body	Copper alloy, Thickness $\geq 3\text{mm}$
Hand wheel	Grey cast iron or Aluminum alloy
Black cap	Copper alloy or Plastic
Inlet	Flanged or BSP Screwed
Outlet	Female instantaneous to BS336
Surface	Red or yellow painting
Test pressure	22.5 bar
Flow rates	More than 8.5L/S
Fully open	4.5 turns

# Oblique Landing Valve



Size	H(mm)	W(mm)	Inlet	Outlet
DN50	198	225	165 F	BS336
DN65	198	235	185 F	BS336
DN65	205	218	2.5"BSPT	BS336
DN65	200	218	2.5"BSP	BS336
DN65	200	218	2.5"BSP(F)	BS336

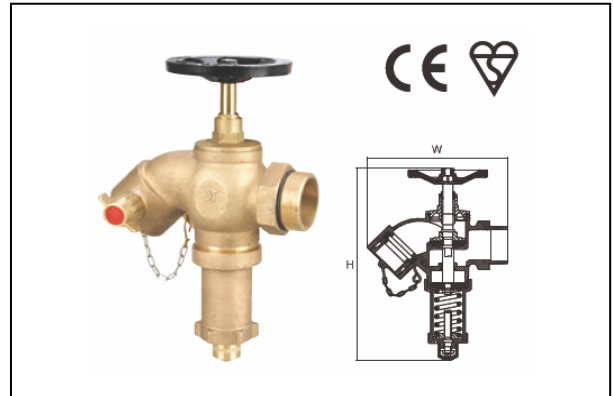
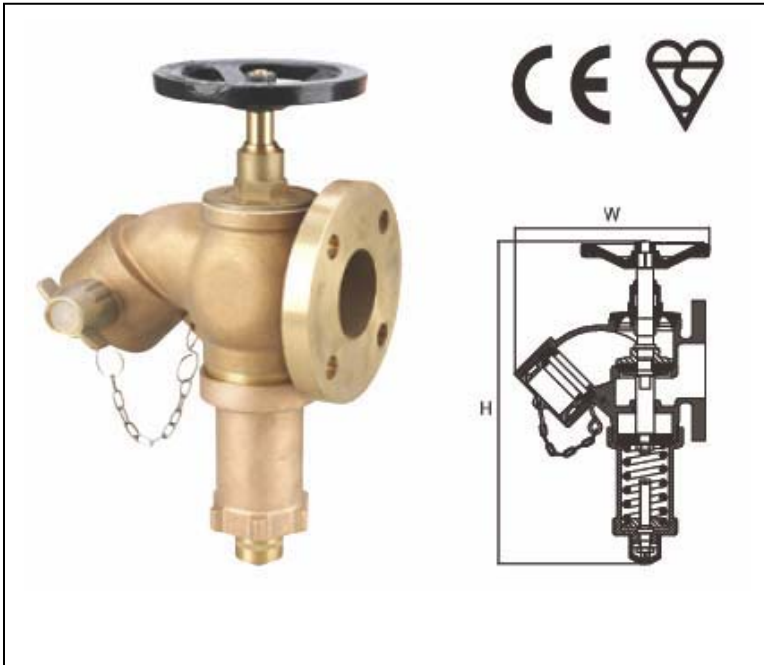
Landing Valves are used for fighting fire with water and accordingly mounted in fire hydrant system at Internal or External places. The landing valves are sometimes also referred to as internal hydrants because they are usually fitted inside the buildings for wet hydrant system.

Specification:

Model No	KX06-198A-00
Standard	Certificate to BS 5041-1 Approve by BSI
Body	Copper alloy, Thickness $\geq 3\text{mm}$
Hand wheel	Grey cast iron or Aluminum alloy
Black cap	Copper alloy or Plastic
Inlet	Flanged or BSP Screwed
Outlet	Female instantaneous to BS336
Surface	Red or yellow painting
Test pressure	22.5 bar
Flow rates	More than 8.5L/S
Fully open	4.5 turns



# Pressure Regulating Valve



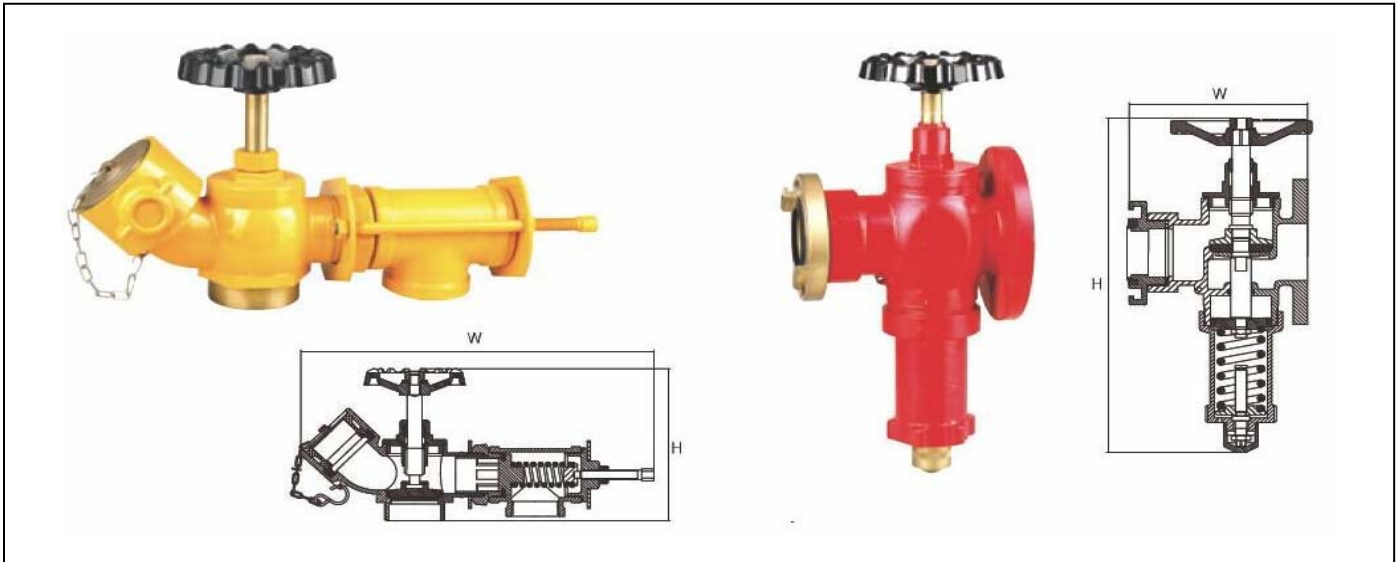
Size	H(mm)	W(mm)	Inlet	Outlet
DN50	380	225	165 F	BS336
DN65	380	225	185 F	BS336
DN65	380	260	2.5"BSPT	BS336
DN65	380	260	2.5"BSP	BS336

Pressure reducing oblique landing valves are suitable for installation on wet risers in buildings for fire fighting purposes, permanently charged with water from a pressurized supply. These landing valves are pressure reducing type designed to provide a range of outlet pressure (5 bar - 8 bar). The landing valves are classified under high pressure and are suitable for use at nominal inlet pressure upto 20 bar and for working temperature range from 0 °C to 38 °C.

## Specification:

Model No	KX06-199A-00
Standard	Certificate to BS 5041-1 Approve by BSI
Body	Copper alloy, Thickness $\geq 3\text{mm}$
Hand wheel	Grey cast iron or Aluminum alloy
Black cap	Copper alloy or Plastic
Inlet	Flanged or BSP Screwed
Outlet	Female instantaneous to BS336
Surface	Red or yellow painting
Test pressure	30 bar
Fully open	4.5 turn
Inlet pressure 20bar,regulating outlet static pressure 5 – 8 bar	
Inlet pressure 20bar,regulating outlet static pressure > 20 bar	

# Pressure Regulating Valve



Size	H(mm)	W(mm)	Inlet	Outlet
DN65	450	205	2.5"BSPT	BS336
DN65	450	205	2.5"BSP	BS336

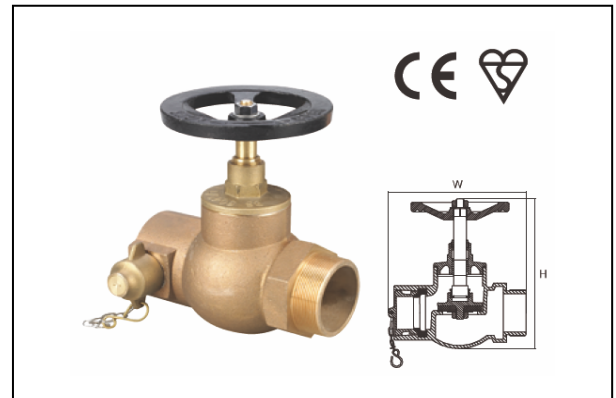
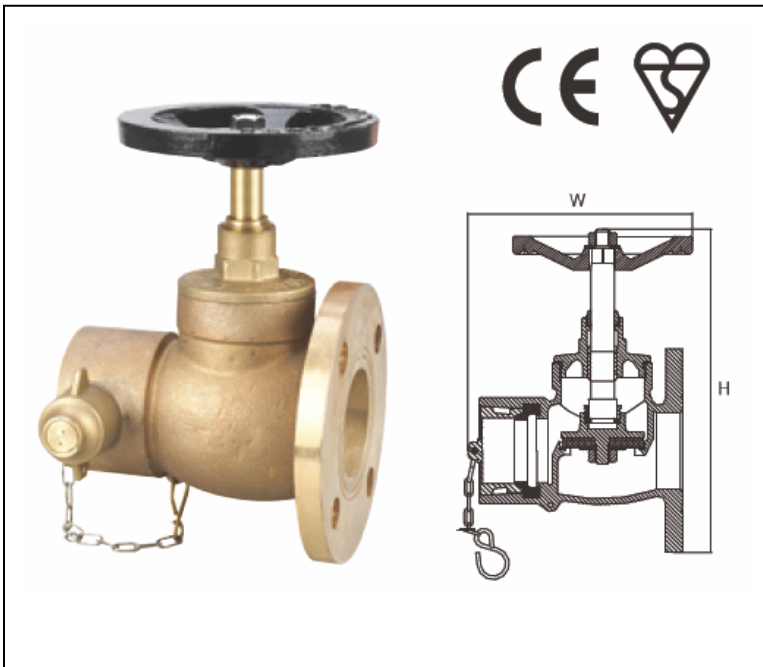
Size	H(mm)	W(mm)	Inlet	Outlet
DN50	385	220	165	2.5"Storz
DN65	385	220	185	2.5"Storz

Pressure reducing oblique landing valves are suitable for installation on wet risers in buildings for fire fighting purposes, permanently charged with water from a pressurized supply. These landing valves are pressure reducing type designed to provide a range of outlet pressure (5 bar - 8 bar). The landing valves are classified under high pressure and are suitable for use at nominal inlet pressure up to 20 bar and for working temperature range from 0 °C to 38 °C.

**Specification:**

Model No	KX06-139-00 KX06-044B4-00
Standard	Complied with BS Standard
Body	Copper alloy, Thickness $\geq 3\text{mm}$
Hand wheel	Grey cast iron or Aluminum alloy
Black cap	Copper alloy or Plastic
Inlet	2.5"BSPT / 2.5"BSP
Outlet	Female instantaneous to BS336 / 2.5" Storz
Surface	Red or yellow painting
Test pressure	30 bar
Fully open	4.5 turn
Inlet pressure 20bar,regulating outlet static pressure 5 – 8 bar	
Inlet pressure 20bar,regulating outlet static pressure > 20 bar	

## Horizontal Type Landing Valve



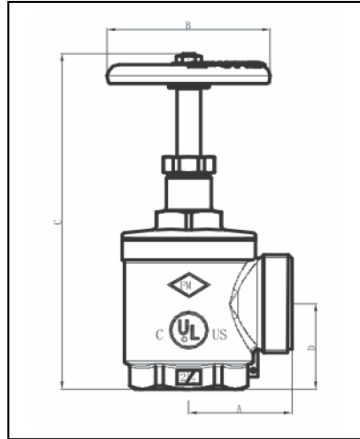
Size	H(mm)	W(mm)	Inlet	Outlet
DN50	270	180	165 F	BS336
DN65	280	180	185 F	BS336
DN65	235	213	2.5"BSPT	BS336
DN65	235	213	2.5"BSP	BS336

Landing Valves are used for fighting fire with water and accordingly mounted in fire hydrant system at Internal or External places. The landing valves are sometimes also referred to as internal hydrants because they are usually fitted inside the buildings for wet hydrant system.

### Specification:

Model No	KX06-200A-00
Standard	Certificate to BS 5041-1 Approve by BSI
Body	Copper alloy, Thickness $\geq 3\text{mm}$
Hand wheel	Grey cast iron or Aluminum alloy
Black cap	Copper alloy or Plastic
Inlet	Flanged or BSP Screwed
Outlet	Female instantaneous to BS336
Surface	Red or yellow painting
Test pressure	22.5 bar
Flow rates	More than 8.5L/S
Fully open	4.5 turns

# Angle Hose Valve



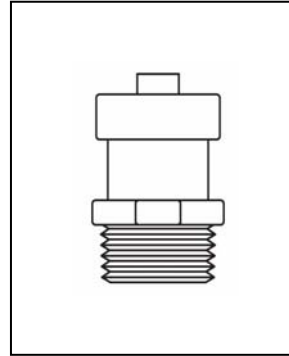
Size	A mm	B mm	Closed C mm	Open C mm	D mm
1-1/2"	630	100	169	195	50
2-1/2"	790	125	225	268	68

The Angle hose valve is manufactured as per NFPA 13 and most suitable for fire protection service outlet or with a hose rack assembly

Specification:

Model No	J281
Standard	As per NFPA 13
Body	Cast brass
Hand wheel	Forging Brass
Pressure rating	300 PSI
Angle Type	Female X Male / Double Female
Inlet	Female NPT Inlet
Outlet	Male hose thread / Female NPT outlet
Optional Plated	Polished brass / Rough chrome plated / Polished chrome plated

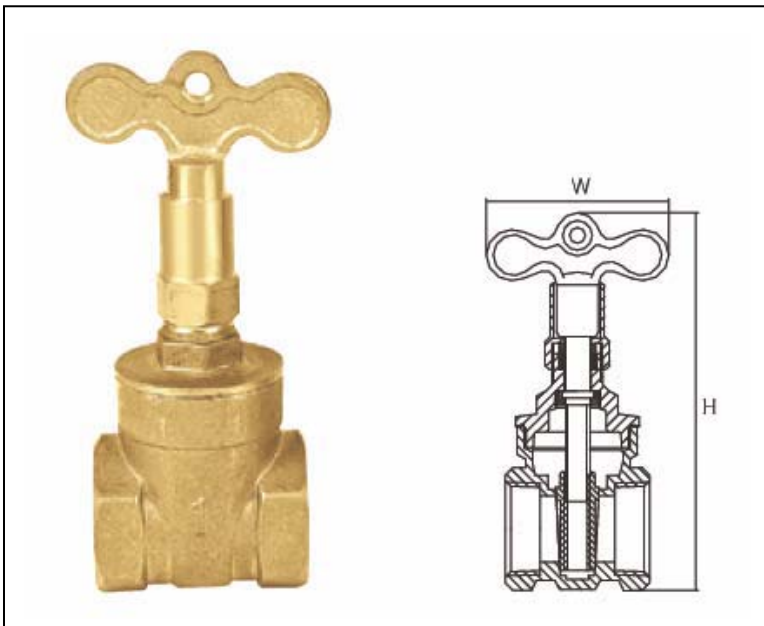
## Air Release Valve



**Specification:**

Model No	KX09-002-03
Thread Type	Male BSP
Body	Brass
Test Pressure	350 PSI
Size	3/4" Inlet / 1" Inlet

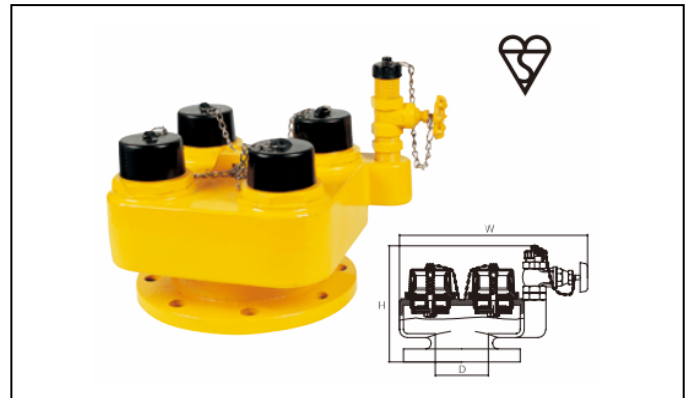
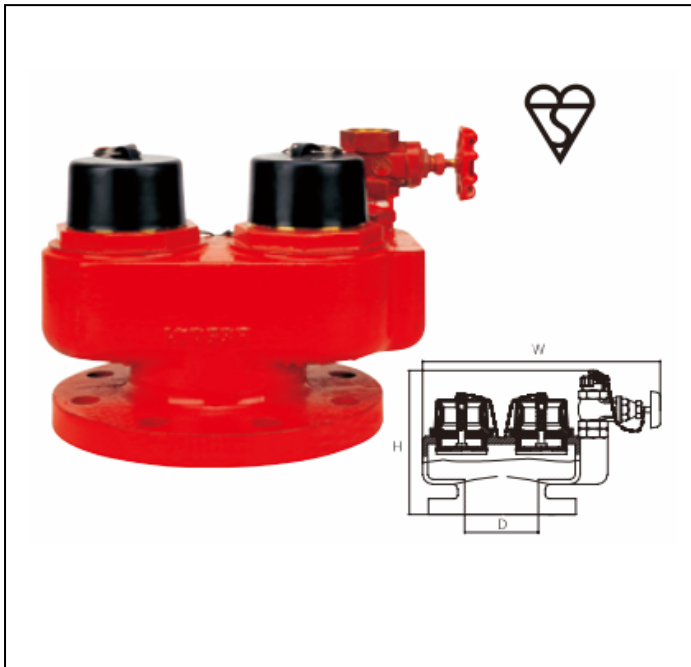
## Lock Valve – Gate Valve With Key



Size	H(mm)	W(mm)	Inlet	Outlet
DN25	135	65	1"BSPT	1"BSPT
DN40	135	65	1"BSPT	1"BSPT
DN40	165	65	1.5"BSPT	1.5"BSPT

Model No	KX06-039-00
Thread Type	BSP or BSPT
Body	Brass
Test Pressure	350 PSI

# Breeching Inlets



Size	H(mm)	W(mm)	D(mm)	Connections
DN100	225	300	100	2*BS336
DN100	225	300	100	2*2.5"BSP
DN150	215	330	150	4*BS336
DN150	215	330	150	4*2.5"BSP

Breeching inlets are suitable for installation on dry risers only, in a building for fire fighting purposes, fitted with inlet connection at fire brigade access level and outlet connection at specified points, which is normally dry but capable of being charged with water by pumping from the service appliances. The Breeching inlets are manufactured to comply BS 5041 Part-3: 1975 standard comprising of Male Instantaneous connections complying with BS 336:1989, drain valves PN16 rated and non-return valves.

Specification:

Model No	KX08-202-00
Standard	Certificate to BS 5041-3 Approve by BSI
Body	Ductile Cast iron
Drain valve	1" gate valve BS 5154
Non – return Test	1.7 bar
Inlet	Copper alloy to male instantaneous coupling with NRV to BS 336
Outlet	4" flange for 2-way,6" flange for 4-way
Blank cap	Plastics or Rubber
Surface	Red or yellow painting
Test pressure	30 bar
Working pressure	20 bar



# Breeching Inlet Cabinet



Breeching Inlet Cabinet is designed to accommodate 4" & 6" Outlet Breaching inlets. These Cabinets have either solid or wired glass door and are available in surface or recesses mounting version.

Specification:

Model No	CSJR-13 A/B/C
Cabinet	Painted with Electrostatic Powder Coating
Body	Electro-galvanized Steel
Dimensions	400 * 600 * 300 - for 2 way ; 600 * 600 * 300 - for 4 way or OEM
Glass	Wire Mesh Reinforcement
Installation	Recess or Surface Mounted
Optional	Stainless Steel doors & frames available upon request

# Fire Blanket



Australian Standard

Product Description: Fiberglass fire blanket as a small-sized civil fire blanket is widely used for kitchens, supermarkets, cinemas and oil stations and has advantages of convenient carrying and operation.

Specification:	
Material:	Fiberglass
Coat:	Silicon
Gross weight:	340-480/m <sup>2</sup>
Thickness:	0.25-0.43mm
Temperature Resistance:	280 - 550°C
Packaging:	PVC Box PVC Bag, Polyester bag; PP box
Certificate:	BS EN1869:1997;
Outer Packing:	Sturdy and durable carton for export, pallet

**Butterfly Valve**

# 175PSI~300PSI Grooved & Wafer type Butterfly Valve

- Approved Gear Operator for both Indoor or Outdoor use
- NSF Certified Polyimide Coated Ductile Iron body for Excellent Protection
- Elastomer Encapsulated Disc with Outstanding Flow Characteristics
- Extended Neck
- Low Torque Operation
- Options of Double Internal Supervisory Switches
- FM & UL/ULC Pending



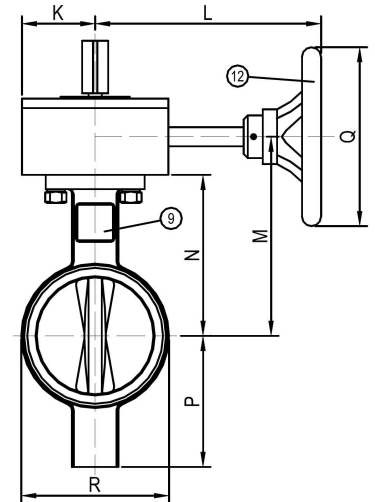
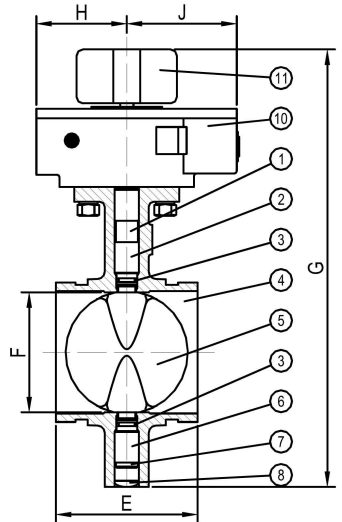
## Material Specifications

PART	SPECIFICATION
1. Upper Stem	Stainless Steel ASTM A 276 Type 420
2. Upper Bearing	PTFE Bronze Sintered on Steel
3. O-Ring	EPDM
4. Body	Ductile Iron ASTM A 536, Polyimide Coated
5. Disc	Ductile Iron ASTM A 536 with EPDM Encapsulation
6. Lower Bearing	PTFE Bronze Sintered on Steel
7. Lower Stem	Stainless Steel ASTM A 276 Type 420
8. Dust Plug	PVC
9. Name Plate	Stainless Steel
10. Gear Operator	Cast Iron and Steel
11. Indicator Flag	Cast Iron
12. Handwheel	Cast Iron

## Dimension

Part Number	Size		OD	E		F		G		H		J		K	
	In.	mm		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
VBG01-073	2½	65	73.0	3.85	98	2.40	61	11.22	285	2.91	74	3.54	90	2.13	54
VBG01-076	3OD	65	76.1	3.85	98	2.40	61	11.22	285	2.91	74	3.54	90	2.13	54
VBG01-089	3	80	88.9	3.85	98	2.87	73	12.20	310	2.91	74	3.54	90	2.13	54
VBG01-114	4	100	114.3	4.56	116	3.86	98	14.17	360	2.91	74	3.54	90	2.13	54
VBG01-140	5½OD	125	139.7	5.86	149	4.80	122	15.35	390	2.91	74	3.54	90	2.13	54
VBG01-141	5	125	141.3	5.86	149	4.80	122	15.35	390	2.91	74	3.54	90	2.13	54
VBG01-165	6½OD	150	165.1	5.86	149	5.75	146	16.73	425	2.91	74	3.54	90	2.13	54
VBG01-168	6	150	168.3	5.86	149	5.75	146	16.73	425	2.91	74	3.54	90	2.13	54
VBG01-219	8	200	219.1	5.27	134	7.72	196	19.41	493	2.91	74	3.54	90	2.13	54
VBG01-273	10	250	273.0	6.30	160	9.57	243	22.76	578	3.90	99	3.98	101	3.03	77

Size	L		M		N		P		Q		R		Wt.	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Lbs.	Kg.
2½	7.68	195	5.27	134	3.78	96	2.95	75	5.90	150	3.35	85	17.6	8.0
3OD	7.68	195	5.27	134	3.78	96	2.95	75	5.90	150	3.35	85	18.3	8.3
3	7.68	195	5.63	143	4.13	105	3.54	90	5.90	150	3.82	97	18.9	8.6
4	7.68	195	6.81	173	5.31	135	4.33	110	5.90	150	4.88	124	23.4	10.6
5½OD	7.68	195	7.32	186	5.83	148	5.00	127	5.90	150	6.10	155	31.3	14.2
5	7.68	195	7.32	186	5.83	148	5.00	127	5.90	150	6.10	155	31.3	14.2
6½OD	7.68	195	8.00	203	6.50	165	5.71	145	5.90	150	7.20	183	34.8	15.8
6	7.68	195	8.00	203	6.50	165	5.71	145	5.90	150	7.20	183	35.5	16.1
8	8.03	204	9.53	242	8.03	204	6.89	175	9.84	250	9.29	236	50.5	22.9
10	9.49	241	11.42	290	9.65	245	8.27	210	11.8	300	11.38	289	88.6	40.2



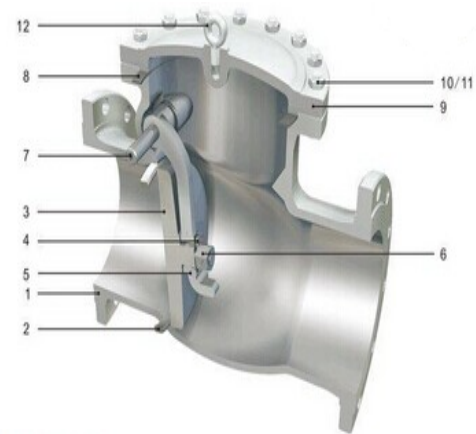
# 175PSI - 300PSI Flanged Check valve

- Installed in both Horizontal or Vertical Line with Upward Flow
- Easier and Faster to Maintain and Install
- Low Pressure Drop
- Rubber non-stick leak tight sealing
- All Stainless Steel Wetted Parts to Provide Superior Corrosion Resistance
- FM Approved & UL/ULC Listed



## Material Specifications

PART	SPECIFICATION
1. Body	Ductile Iron ASTM A 536
2. Seat	Bronze
3. Clapper	Stainless Steel 304
4. Facing Seal	EPDM Rubber
5. Clamping Ring	Stainless Steel 304
6. Gasket	EPDM Rubber
7. Spring	Stainless Steel 304
8. Hinge Pin	Stainless Steel 304
9. Bolt	Stainless Steel 304
10. Locknut	Stainless Steel 304
11. Plug 1/4" NPT	Carbon Steel
12. Plug 1/2" NPT	Carbon Steel



## Dimension

Part Number	size		OD mm	A		Weight	
	In.	mm		In.	mm	lbs	kg
VCG01-060	2	50	60.3	6.65	169	5.5	2.5
VCG01-073	2½	65	73.0	7.20	183	8.8	4
VCG01-076	3OD	65	76.1	7.20	183	8.8	4
VCG01-089	3	80	88.9	7.80	198	13	6
VCG01-114	4	100	114.3	8.58	218	20	9
VCG01-140	5½OD	125	139.7	9.76	248	33	15
VCG01-141	5	125	141.3	9.76	248	33	15
VCG01-165	6½OD	150	165.1	10.63	270	42	19
VCG01-168	6	150	168.3	10.63	270	42	19
VCG01-219	8	200	219.1	12.80	325	77	35
VCG01-273	10	250	273.0				
VCG01-324	12	300	323.9				



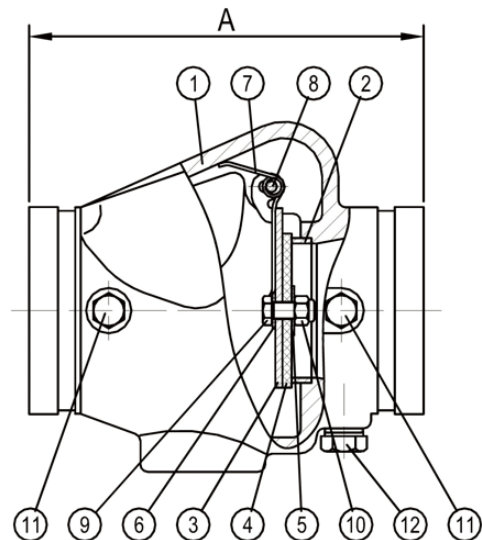
# VCG01 - 350PSI Grooved-End Swing Check Valve

- Installed in both Horizontal or Vertical Line with Upward Flow
- Easier and Faster to Maintain and Install
- Low Pressure Drop
- EPDM non-stick leak tight sealing
- All Stainless Steel Wetted Parts to Provide Superior Corrosion Resistance
- FM Approved & UL/ULC Listed



## Material Specifications

PART	SPECIFICATION
1. Body	Ductile Iron ASTM A 536
2. Seat	Bronze
3. Clapper	Stainless Steel 304
4. Facing Seal	EPDM Rubber
5. Clamping Ring	Stainless Steel 304
6. Gasket	EPDM Rubber
7. Spring	Stainless Steel 304
8. Hinge Pin	Stainless Steel 304
9. Bolt	Stainless Steel 304
10. Locknut	Stainless Steel 304
11. Plug 1/4" NPT	Carbon Steel
12. Plug 1/2" NPT	Carbon Steel



## Dimension

Part Number	size		OD		A		Weight	
	In.	mm	mm	In.	mm	lbs	kg	
VCG01-060	2	50	60.3	6.65	169	5.5	2.5	
VCG01-073	2½	65	73.0	7.20	183	8.8	4	
VCG01-076	3OD	65	76.1	7.20	183	8.8	4	
VCG01-089	3	80	88.9	7.80	198	13	6	
VCG01-114	4	100	114.3	8.58	218	20	9	
VCG01-140	5½OD	125	139.7	9.76	248	33	15	
VCG01-141	5	125	141.3	9.76	248	33	15	
VCG01-165	6½OD	150	165.1	10.63	270	42	19	
VCG01-168	6	150	168.3	10.63	270	42	19	
VCG01-219	8	200	219.1	12.80	325	77	35	
VCG01-273	10	250	273.0					
VCG01-324	12	300	323.9					





# Y-Type Strainer

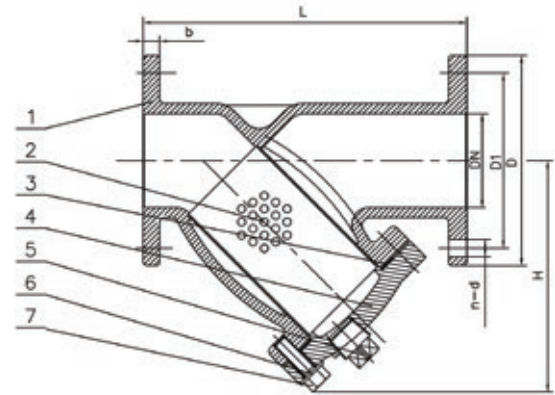
**Statement:**

Installed before relief valves, atmospheric valves, hydraulic control valves as well as other equipments, strainers serve to filter out the impurities in the flow medium for protection of valves and equipments in the piping system.

**Features:**

1. Material: Ductile Iron ASTM A536, 65-45-12  
Valve body and cover are produced in ductile iron material which provides guarantee for high strength and good corrosion resistance.
2. Different Options of Screen Mesh Specification  
Different options of screen mesh specification available as per different service conditions.
3. Fusion Bonded Epoxy Coating  
Fusion bonded epoxy coating in accordance with ANSI/AWWA C550 for both interior and exterior surface which provides reliable corrosion resistance.

- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI  
200PSI and 250PSI available upon request
- Temperature Range: 0 °C - 80 °C rubber gasket,  
-10 °C - 350 °C graphite gasket
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536 65-45-12	
2	Screen	AISI 304 (Perforated)	AISI 304, AISI 316 (Perforated, Knitted, Double Screen)
3	Gasket	EPDM	Graphite + Acanthopore Plate
4	Bonnet	ASTM A536 65-45-12	
5	Plug	Malleable Iron Galvanized	Bronze ASTM B584
6	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
7	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316

STANDARD SCREEN

DN		Sieve No.	Hole Dia.	Free Flow Area(%)
Inch	mm		mm	%
1 1/2"-6"	40-150	120	1.5	33
8"-12"	200-300	47	2	23
14"-16"	350-400	61	2	30

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

- Ductile Iron Body & Bonnet
- Stainless Steel Screen
- Fusion Bonded Epoxy Coating
- Gasket: EPDM or Graphite + Acanthopore Plate

DN		Dimensions(mm)					
Inch	mm	L	D	D1	b	n-φd	H
2"	50	200	152	120.5	16	4-φ19.1	155
2.5"	65	254	178	139.5	17.5	4-φ19.1	165
3"	80	257	191	152.5	19	4-φ19.1	180
4"	100	308	229	190.5	24	8-φ19.1	229
5"	125	397	254	216	24	8-φ22.2	285
6"	150	470	279	241.5	25.5	8-φ22.2	311
8"	200	549	343	298.5	28.5	8-φ22.2	394
10"	250	654	406	362	30.5	12-φ25.4	487
12"	300	759	483	432	32	12-φ25.4	547



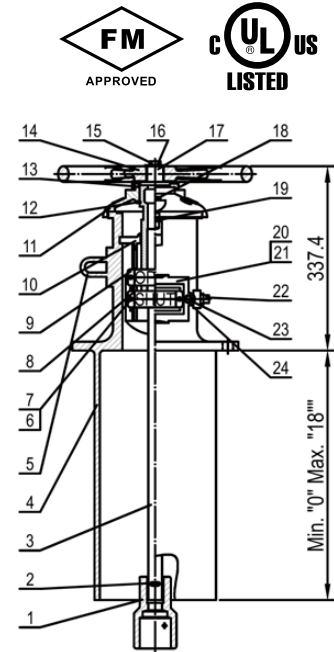
Indicator Post

For use with NRS gate valves · Fire Protection · FM Approved & UL Listed

# 701Q – Wall Type Post

## Material Specifications

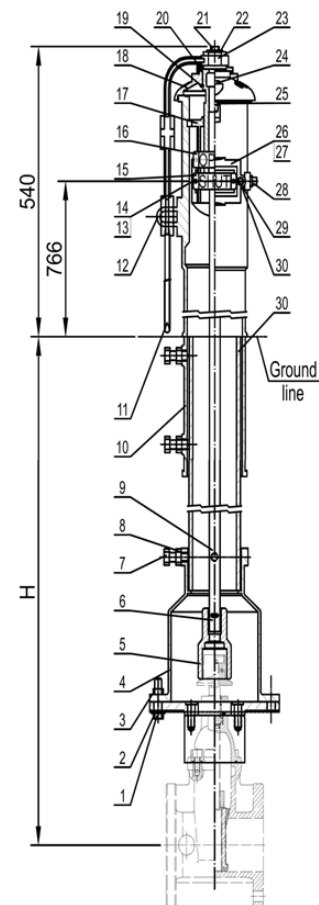
PART	SPECIFICATION	PART	SPECIFICATION
1. Wrench	ASTM A536	13. Slatted Countersunk Flat Head Screw	ASTM A105
2. Cotter Pin	ASTM A105	14. Hand Wheel	ASTM A536
3. Operating Bar	ASTM A105	15. Hexagon Bolt	ASTM A105
4. Barrel	ASTM A536	16. Big Washer	ASTM A105
5. Special U-Bolt	ASTM A105	17. Operating Cap	ASTM C61400
6. Slotted Pan Head Screw	ASTM A105	18. T Bolt	ASTM A105
7. Hexagon Nut	ASTM A105	19. Square Nut	ASTM A105
8. Target Plate (SHUT)	ZL101	20. Cover Board	PMMA
9. Target Plate (OPEN)	ZL101	21. Gasket	Silicon Rubber
10. Loading Bogie	ASTM A126B	22. Plug	KT30-16
11. Bonnet	ASTM A536	23. Hexagon Head Screw	ASTM A276
12. Circlip	65Mn	24. Washer	ASTM A105



# 701S – Adjustable Upright Post

## Material Specifications

PART	SPECIFICATION	PART	SPECIFICATION
1. Hexagon Bolt	ASTM A105	16. Target Plate (OPEN)	ZL101
2. Washer	ASTM A105	18. Bonnet	ASTM A536
3. Hexagon Nut	ASTM A105	19. Circlip	65Mn
4. Seat	ASTM A536	20. Slatted Countersunk Flat Head Screw	ASTM A105
5. Wrench Socket	ASTM A536	21. Hexagon Bolt	ASTM A105
6. Cotter Pin	ASTM A105	22. Big Washer	ASTM A105
7. Hexagon Bolt	ASTM A105	23. Operating Nut	ASTM C61400
8. Hexagon Nut	ASTM A105	24. T Bolt	ASTM A105
9. Operating Bar	ASTM A105	25. Square Nut	ASTM A105
10. Barrel	ASTM A536	26. Cover Board	PMMA
11. Wrench	ASTM A536	27. Gasket	Silicon Rubber
12. Special U-Bolt	ASTM A105	28. Plug	KT30-16
13. Slotted Pan Head Screw	ASTM A105	29. Hexagon Head Screw	ASTM A276
14. Hexagon Nut	ASTM A105	30. Washer	ASTM A105
15. Target Plate (SHUT)	ZL101	31. Stand Pipe	ASTM A536
17. Loading Bogie	ASTM A126B		



## Bury Depth Dimensions

Valve Size		Min. Bury Depth: H(mm)			Max. Bury Depth: H(mm)		
In.	mm	701S-1A	701S-2A	701S-3A	701S-1A	701S-2A	701S-3A
4	DN100	839	1296	1499	1321	1778	2236
6	DN150	1016	1474	1931	1499	1956	3413
8	DN200	1093	1550	2007	1575	2032	2490
10	DN250	1220	1677	3134	1702	2159	2617
12	DN300	1321	1778	2236	1804	2261	2718

\*Other sizes are available upon request

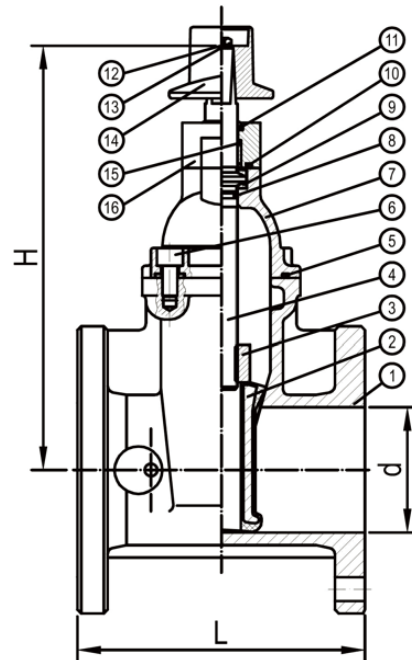
Note: When ordering, please specify the Bury Depth. When installing, please see the installation manual.

# 175PSI ~ 300PSI AWWA Flanged-end Gate valve

- Bolted Bonnet • Non-Rising Stem • Resilient Wedge • Flanged-End
- 300 PSI/20.7 Bar Non-Shock Cold Working Pressure
- Conforms to AWWA C509
- FBE Coated Interior and Exterior
- Maximum Operating Temperature 185°F / 85°C
- FM Approved & UL/ULC Listed

## Material Specifications

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A 536
2. Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3. Wedge Nut	Bronze ASTM B 584 UNS C83600
4. Stem	Stainless Steel ASTM A 276 UNS S41000
5. Bonnet Gasket	EPDM
6. Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7. Bonnet	Cast Iron ASTM A 126-B
8. Stem Primary O-Ring	EPDM
9. Stem Thrust Washer	Stainless Steel ASTM A 276 UNS S41000
10. Gland Seal O-Ring	EPDM
11. Stem Ring Wiper	EPDM
12. Operating Nut Washer	Carbon steel Zinc Plated
13. Operating Nut Screw	Alloy Steel ASTM A 574M Zinc Plated
14. Square Operating Nut	Cast Iron ASTM A 126-B
14A. Handwheel (Optional)	Ductile Iron ASTM A 536
15. Stem Primary O-Ring	EPDM
16. Stem Seal Bushing	Brass ASTM B 16 UNS C36000



## Dimension

Part Number	Size		L		d		H		Turns To Open
	In.	mm	In.	mm	In.	mm	In.	mm	
F909-065	2.5	65	7.5	190	2.5	64	11.4	289	8.8
F909-080	3	80	8.0	203	3.0	76	12.7	322	10.5
F909-100	4	100	9.0	229	4.0	102	13.5	342	13.75
F909-150	6	150	10.5	267	6.0	152	17.0	432	16
F909-200	8	200	11.5	292	8.0	203	20.4	519	17.5
F909-250	10	250	13.0	330	10.0	254	21.2	539	21.5
F909-300	12	300	14.0	356	12.0	305	26.5	672	25.5

### Note:

<> Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

<> Flange: ANSI Class125/150, other flange dimensions are available.

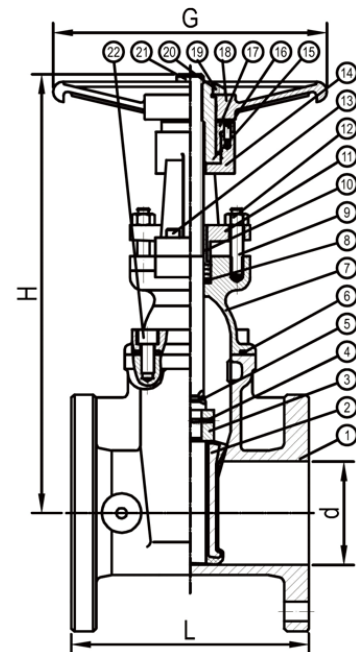


# 175PSI ~ 300PSI AWWA Flanged-end Gate Valve

- Bolted Bonnet • Outside Screw and Yoke • Resilient Wedge • Flanged-End
- 300 PSI/20.7 Bar Non-Shock Cold Working Pressure
- Conforms to AWWA C509
- FBE Coated Interior and Exterior
- Maximum Operating Temperature 185°F / 85°C
- FM Approved & UL/ULC Listed

## Material Specifications

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A 536
2. Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3. Wedge Nut	Bronze ASTM B 584 UNS C83600
4. Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5. Stem Back Seat O-Ring	EPDM
6. Bonnet Gasket	EPDM
7. Bonnet	Ductile Iron ASTM A 536
8. Stem Packing	EPDM
9. Threaded Rod	Carbon steel Zinc Plated
10. Gland Bushing	Brass ASTM B 584
11. Gland	Cast Iron ASTM A 126-B
12. Gland Nut	Stainless Steel 18-8
13. Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14. Yoke	Cast Iron ASTM A 126-B
15. Yoke Bushing	Bronze ASTM B 584
16. Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17. Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18. Handwheel	Ductile Iron ASTM A 536
19. Handwheel Nut	Carbon steel Zinc Plated
20. Flat Head Screw	Carbon steel Zinc Plated
21. Stem	Bronze ASTM B 150 UNS C61400
22. Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated



## Dimension

Part Number	Size		L		d		G		H Open		H Close		Turns To Open
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
F907-065	2.5	65	7.5	190	2.5	64	7.9	200	17.8	453	14.9	378	8.8
F907-080	3	80	8.0	203	3.0	76	10.0	254	20.1	510	15.9	405	10.5
F907-100	4	100	9.0	229	4.0	102	10.0	254	22.4	568	16.6	422	13.75
F907-150	6	150	10.5	267	6.0	152	12.4	315	30.3	769	22.9	581	16
F907-200	8	200	11.5	292	8.0	203	14.8	375	37.8	960	28.5	724	17.5
F907-250	10	250	13.0	330	10.0	254	16.4	416	44.8	1139	34.5	877	21.5
F907-300	12	300	14.0	356	12.0	305	17.5	445	52.2	1326	39.9	1014	25.5

Note:

<> Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

<> Flange: ANSI Class125/150, other flange dimensions are available.

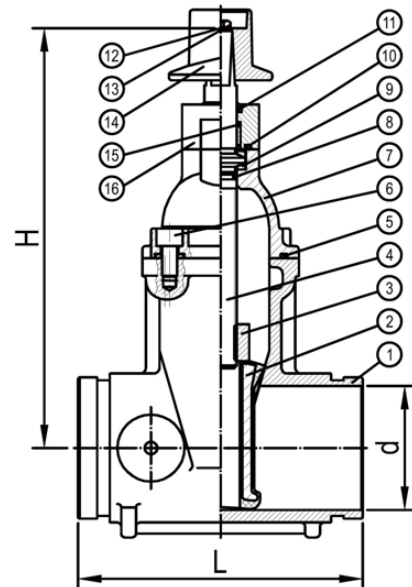


# 105Q - 300PSI AWWA C509 Grooved-End Gate Valve

- Bolted Bonnet • Non-Rising Stem • Resilient Wedge • Grooved-End
- 300 PSI/20.7 Bar Non-Shock Cold Working Pressure
- Conforms to AWWA C509
- FBE Coated Interior and Exterior
- Maximum Operating Temperature 185°F / 85°C
- FM Approved & UL/ULC Listed

## Material Specifications

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A 536
2. Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3. Wedge Nut	Bronze ASTM B 584 UNS C83600
4. Stem	Stainless Steel ASTM A 276 UNS S41000
5. Bonnet Gasket	EPDM
6. Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7. Bonnet	Cast Iron ASTM A 126-B
8. Stem Primary O-Ring	EPDM
9. Stem Thrust Washer	Stainless Steel ASTM A 276 UNS S41000
10. Gland Seal O-Ring	EPDM
11. Stem Ring Wiper	EPDM
12. Operating Nut Washer	Carbon steel Zinc Plated
13. Operating Nut Screw	Alloy Steel ASTM A 574M Zinc Plated
14. Square Operating Nut	Cast Iron ASTM A 126-B
14A. Handwheel (Optional)	Ductile Iron ASTM A 536
15. Stem Primary O-Ring	EPDM
16. Stem Seal Bushing	Brass ASTM B 16 UNS C36000



## Dimension

Part Number	Size		L		d		H		Turns To Open
	In.	mm	In.	mm	In.	mm	In.	mm	
105Q-065	2.5	65	7.5	190	2.5	64	11.4	289	8.8
105Q-080	3	80	8.0	203	3.0	76	12.7	322	10.5
105Q-100	4	100	9.0	229	4.0	102	13.5	342	13.75
105Q-150	6	150	10.5	267	6.0	152	17.0	432	16
105Q-200	8	200	11.5	292	8.0	203	20.4	519	17.5
105Q-250	10	250	13.0	330	10.0	254	21.2	539	21.5
105Q-300	12	300	14.0	356	12.0	305	26.5	672	25.5

Note: Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.



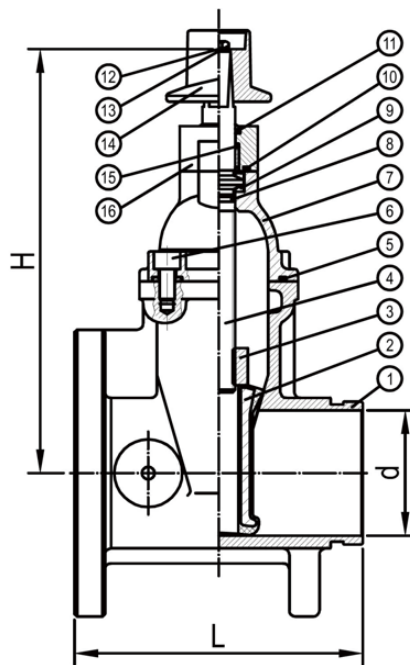


# 108Q - 250PSI AWWA C509 Flanged X Grooved-End Gate Valve

- Bolted Bonnet • Non-Rising Stem • Resilient Wedge • Flanged X Grooved-End
- 250 PSI/17.2Bar Non-Shock Cold Working Pressure
- Conforms to AWWA C509
- FBE Coated Interior and Exterior
- Maximum Operating Temperature 185°F / 85°C
- FM Approved & UL/ULC Listed

## Material Specifications

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A 536
2. Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3. Wedge Nut	Bronze ASTM B 584 UNS C83600
4. Stem	Stainless Steel ASTM A 276 UNS S41000
5. Bonnet Gasket	EPDM
6. Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7. Bonnet	Cast Iron ASTM A 126-B
8. Stem Primary O-Ring	EPDM
9. Stem Thrust Washer	Stainless Steel ASTM A 276 UNS S41000
10. Gland Seal O-Ring	EPDM
11. Stem Ring Wiper	EPDM
12. Operating Nut Washer	Carbon steel Zinc Plated
13. Operating Nut Screw	Alloy Steel ASTM A 574M Zinc Plated
14. Square Operating Nut	Cast Iron ASTM A 126-B
14A. Handwheel (Optional)	Ductile Iron ASTM A 536
15. Stem Primary O-Ring	EPDM
16. Stem Seal Bushing	Brass ASTM B 16 UNS C36000



## Dimension

Part Number	Size		L		d		H		Turns To Open
	In.	mm	In.	mm	In.	mm	In.	mm	
108Q-065	2.5	65	7.5	190	2.5	64	11.4	289	8.8
108Q-080	3	80	8.0	203	3.0	76	12.7	322	10.5
108Q-100	4	100	9.0	229	4.0	102	13.5	342	13.75
108Q-150	6	150	10.5	267	6.0	152	17.0	432	16
108Q-200	8	200	11.5	292	8.0	203	20.4	519	17.5
108Q-250	10	250	13.0	330	10.0	254	21.2	539	21.5
108Q-300	12	300	14.0	356	12.0	305	26.5	672	25.5

Note:

<> Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

<> Flange: ANSI Class125/150, other flange dimensions are available.

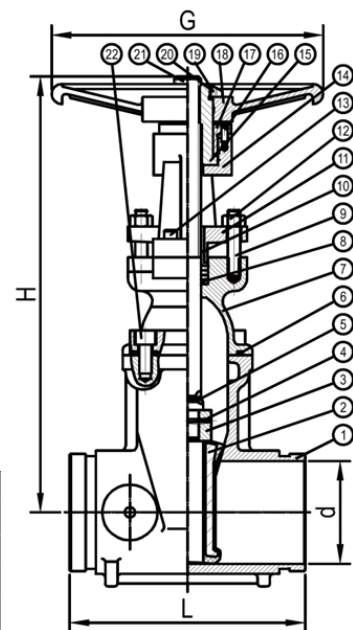


# 135 - AWWA C509 300PSI Grooved-End Gate Valve

- Bolted Bonnet • Outside Screw and Yoke • Resilient Wedge • Grooved-End
- 300 PSI/20.7 Bar Non-Shock Cold Working Pressure
- Conforms to AWWA C509
- FBE Coated Interior and Exterior
- Maximum Operating Temperature 185°F / 85°C
- FM Approved & UL/ULC Listed

## Material Specifications

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A 536
2. Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3. Wedge Nut	Bronze ASTM B 584 UNS C83600
4. Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5. Stem Back Seat O-Ring	EPDM
6. Bonnet Gasket	EPDM
7. Bonnet	Ductile Iron ASTM A 536
8. Stem Packing	EPDM
9. Threaded Rod	Carbon steel Zinc Plated
10. Gland Bushing	Brass ASTM B 584
11. Gland	Cast Iron ASTM A 126-B
12. Gland Nut	Stainless Steel 18-8
13. Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14. Yoke	Cast Iron ASTM A 126-B
15. Yoke Bushing	Bronze ASTM B 584
16. Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17. Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18. Handwheel	Ductile Iron ASTM A 536
19. Handwheel Nut	Carbon steel Zinc Plated
20. Flat Head Screw	Carbon steel Zinc Plated
21. Stem	Bronze ASTM B 150 UNS C61400
22. Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated



## Dimension

Part Number	Size		L		d		G		H Open		H Close		Turns To Open
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
135-065	2.5	65	7.5	190	2.5	64	7.9	200	17.8	453	14.9	378	8.8
135-080	3	80	8.0	203	3.0	76	10.0	254	20.1	510	15.9	405	10.5
135-100	4	100	9.0	229	4.0	102	10.0	254	22.4	568	16.6	422	13.75
135-150	6	150	10.5	267	6.0	152	12.4	315	30.3	769	22.9	581	16
135-200	8	200	11.5	292	8.0	203	14.8	375	37.8	960	28.5	724	17.5
135-250	10	250	13.0	330	10.0	254	16.4	416	44.8	1139	34.5	877	21.5
135-300	12	300	14.0	356	12.0	305	17.5	445	52.2	1326	39.9	1014	25.5

Note: Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.



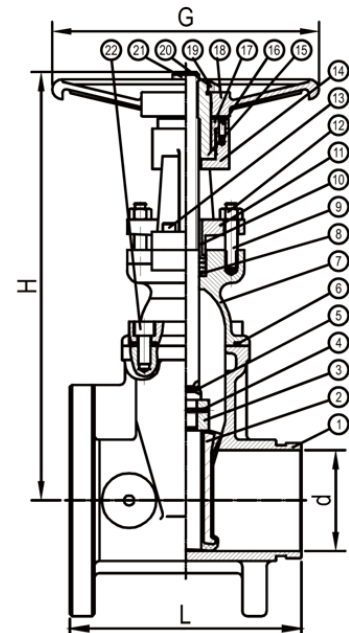


# 138 - 250PSI AWWA C509 Flanged X Grooved-End Gate Valve

- Bolted Bonnet • Outside Screw and Yoke • Resilient Wedge • Flanged X Grooved-End
- 250 PSI/17.2Bar Non-Shock Cold Working Pressure
- Conforms to AWWA C509
- FBE Coated Interior and Exterior
- Maximum Operating Temperature 185°F / 85°C
- FM Approved & UL/ULC Listed

## Material Specifications

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A 536
2. Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3. Wedge Nut	Bronze ASTM B 584 UNS C83600
4. Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5. Stem Back Seat O-Ring	EPDM
6. Bonnet Gasket	EPDM
7. Bonnet	Ductile Iron ASTM A 536
8. Stem Packing	EPDM
9. Threaded Rod	Carbon steel Zinc Plated
10. Gland Bushing	Brass ASTM B 584
11. Gland	Cast Iron ASTM A 126-B
12. Gland Nut	Stainless Steel 18-8
13. Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14. Yoke	Cast Iron ASTM A 126-B
15. Yoke Bushing	Bronze ASTM B 584
16. Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17. Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18. Handwheel	Ductile Iron ASTM A 536
19. Handwheel Nut	Carbon steel Zinc Plated
20. Flat Head Screw	Carbon steel Zinc Plated
21. Stem	Bronze ASTM B 150 UNS C61400
22. Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated



## Dimension

Part Number	Size		L		d		G		H Open		H Close		Turns To Open
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
138-065	2.5	65	7.5	190	2.5	64	7.9	200	17.8	453	14.9	378	8.8
138-080	3	80	8.0	203	3.0	76	10.0	254	20.1	510	15.9	405	10.5
138-100	4	100	9.0	229	4.0	102	10.0	254	22.4	568	16.6	422	13.75
138-150	6	150	10.5	267	6.0	152	12.4	315	30.3	769	22.9	581	16
138-200	8	200	11.5	292	8.0	203	14.8	375	37.8	960	28.5	724	17.5
138-250	10	250	13.0	330	10.0	254	16.4	416	44.8	1139	34.5	877	21.5
138-300	12	300	14.0	356	12.0	305	17.5	445	52.2	1326	39.9	1014	25.5

### Note:

<> Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

<> Flange: ANSI Class125/150, other flange dimensions are available.



Beam Clamp

# BC01 - Beam Clamp

**Size Range:** 3/8" and 1/2" or M10 and M12

**Material:** Ductile iron, hardened steel cup point set screw and locknut

**Finish:** Black or Galvanized

**Service:** Structural attachment to top or bottom of metal beams, purlins, channel, or angel iron

**Approvals:**

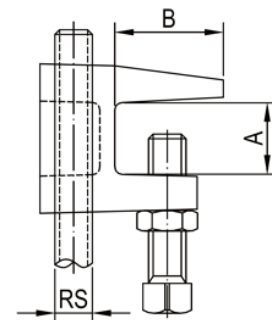
- Complies with Federal Specification A-A-1192A (Type 19 & 23) WW-H-171-E (Type 23) and MSS-SP-69 (Type 19 & 23).
- FM approved & UL/ULC Listed

**Ordering:** Specify Part Number & Finish

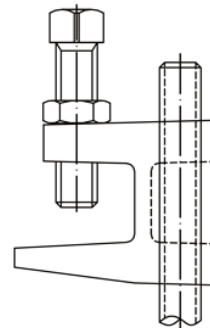
Part Number	RS	A	B	Wt.	Set Screw	Max. Rec. Load (lbs)	
						TOP	BOTTOM
BC01-300	3/8	3/4	1 1/8	0.31	3/8	500	250
BC01-400	1/2	3/4	1 1/4	0.53	1/2	950	760

Part Number	RS	A	B	Wt.	Set Screw	Max. Rec. Load (N)	
						TOP	BOTTOM
BC01-M10	M10	19	29	0.14	M10	2220	1110
BC01-M12	M12	19	31	0.24	M12	4220	3380

**NOTE:** Set screw must be tightened and torqued onto the sloped side of the I-beam



TOP



BOTTOM



# SH01 - Swivel Hanger

**Size Range:** 1/2" through 8"

**Material:** Carbon steel

**Finish:** Galvanized, other finish available upon request

**Service:**

- Recommend for suspension of non-insulated stationary pipe line
- Manufactured to use the min. rod size permitted by NFPA for fire sprinkler pipe line

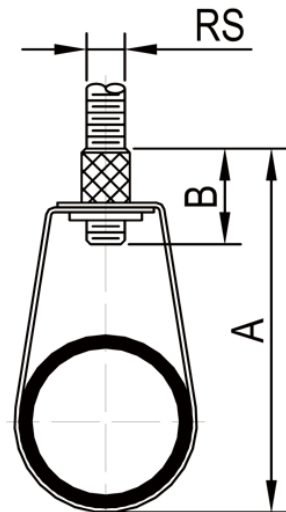
**Approvals:**

- Complies with Federal Specification A-A-1192A (Type 10) WW-H-171-E (Type 10) and MSS-SP-69 (Type 10).
- FM approved & UL/ULC Listed (Sizes 3/4" through 8")

**Ordering:** Specify Part Number



Part Number	Nominal Pipe Size		RS		A		B		Wt.		Max. Rec. Load	
	In.	mm	In.	mm	In.	mm	In.	mm	lb	kg	Lbs	N
	SH01-015	1/2	DN15	3/8	M10	2 <sup>3</sup> / <sub>4</sub>	70	1	25	0.09	0.04	500
SH01-020	3/4	DN20	3/8	M10	3 <sup>1</sup> / <sub>16</sub>	78	1	25	0.09	0.04	500	2220
SH01-025	1	DN25	3/8	M10	3 <sup>5</sup> / <sub>16</sub>	84	1	25	0.10	0.05	500	2220
SH01-032	1 <sup>1</sup> / <sub>4</sub>	DN32	3/8	M10	3 <sup>9</sup> / <sub>16</sub>	90	1	25	0.10	0.05	500	2220
SH01-040	1 <sup>1</sup> / <sub>2</sub>	DN40	3/8	M10	3 <sup>13</sup> / <sub>16</sub>	97	1	25	0.11	0.05	500	2220
SH01-050	2	DN50	3/8	M10	4 <sup>1</sup> / <sub>4</sub>	108	1	25	0.12	0.06	500	2220
SH01-065	2 <sup>1</sup> / <sub>2</sub>	DN65	3/8	M10	4 <sup>7</sup> / <sub>8</sub>	124	1	25	0.27	0.12	1000	4440
SH01-080	3	DN80	3/8	M10	5 <sup>11</sup> / <sub>16</sub>	144	1	25	0.32	0.14	1000	4440
SH01-100	4	DN100	3/8	M10	6 <sup>7</sup> / <sub>8</sub>	174	1	25	0.38	0.17	1000	4440
SH01-125	5	DN125	1/2	M12	8 <sup>3</sup> / <sub>16</sub>	208	1 <sup>1</sup> / <sub>4</sub>	32	0.56	0.25	1900	8450
SH01-150	6	DN150	1/2	M12	9 <sup>5</sup> / <sub>8</sub>	245	1 <sup>1</sup> / <sub>4</sub>	32	0.67	0.31	1900	8450
SH01-200	8	DN200	1/2	M12	12 <sup>5</sup> / <sub>16</sub>	313	1 <sup>1</sup> / <sub>4</sub>	32	0.78	0.35	1900	8450



# CH01 - Clevis Hanger

**Size Range:** 1/2" through 24"

**Material:** Carbon steel

**Finish:** Galvanized, other finish available upon request

**Service:** Recommend for suspension of non-insulated stationary pipe line

**Approvals:**

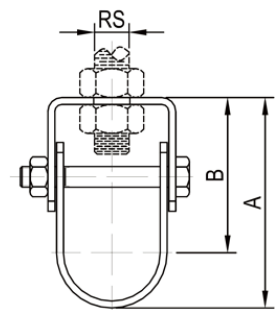
- Complies with Federal Specification A-A-1192A (Type 1), WW-H-171-E (Type 1) and MSS-SP-69 (Type 1).
- FM approved & UL/ULC Listed (Sizes 3/4" through 8")

**Ordering:** Specify Part Number

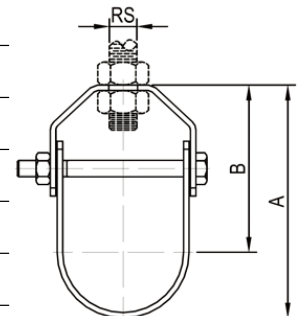


Part Number	Nominal		RS		A		B		Wt.		Max. Rec. Load	
	Pipe Size											
	In.	mm	In.	mm	In.	mm	In.	mm	lb	kg	lbs	N
CH01-015	1/2	DN15	3/8	M10	2 1/8	54	1 5/8	41	0.15	0.07	610	2710
CH01-020	3/4	DN20	3/8	M10	2 3/8	61	1 3/4	45	0.18	0.08	610	2710
CH01-025	1	DN25	3/8	M10	2 3/4	69	2	50	0.20	0.09	730	3240
CH01-032	1 1/4	DN32	3/8	M10	3 5/16	84	2 3/8	61	0.24	0.11	730	3240
CH01-040	1 1/2	DN40	3/8	M10	3 15/16	100	2 7/8	73	0.26	0.12	730	3240
CH01-050	2	DN50	3/8	M10	4 1/2	114	3 1/4	82	0.31	0.14	730	3240
CH01-065	2 1/2	DN65	1/2	M12	5 1/4	133	3 5/8	92	0.82	0.37	1350	6000
CH01-080	3	DN80	1/2	M12	6	152	4 1/8	105	0.93	0.42	1350	6000
CH01-100	4	DN100	5/8	M16	7 3/4	197	5 3/8	137	1.30	0.59	1430	6360
CH01-125	5	DN125	5/8	M16	9 3/4	248	6 13/16	173	2.25	1.02	1430	6360
CH01-150	6	DN150	3/4	M20	11 3/4	298	8 1/4	209	3.26	1.48	1940	8630
CH01-200	8	DN200	3/4	M20	14 1/16	357	9 1/2	242	4.45	2.02	2000	8890

**NOTE:** 10" ~ 24" clevis hangers are available upon request.



1/2"~1" DN15~DN25



1 1/4"~8" DN32~DN200



# CL01 - Cup Nut Pipe Loop

**Size Range:** 1" through 8"

**Material:** Carbon steel

**Finish:** Galvanized, other finish available upon request

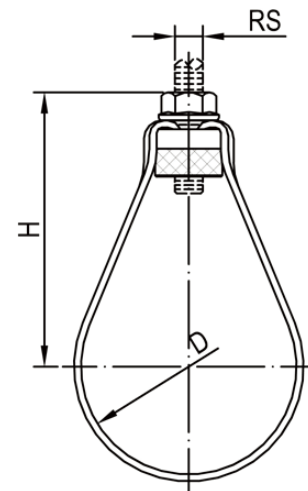
**Service:** Recommended for automatic sprinkler system

**Approvals:** FM approved

**Configuration:** Supplied with Flange nut and cup nut

**Ordering:** Specify Part Number

Part Number	Nominal Pipe Size		RS mm	D mm	H mm	WT. kg
	In.	mm				
	CL01-025V	1				
CL01-032V	1¼	DN32	M8	43	65	0.06
CL01-040V	1½	DN40	M8	49	70	0.06
CL01-050V	2	DN50	M8	61	79	0.07
CL01-025	1	DN25	M10	34	65	0.06
CL01-032	1¼	DN32	M10	43	65	0.06
CL01-040	1½	DN40	M10	49	70	0.06
CL01-050	2	DN50	M10	61	79	0.07
CL01-065	2½	DN65	M10	77	98	0.15
CL01-080	3	DN80	M10	90	113	0.17
CL01-100	4	DN100	M10	115	142	0.20
CL01-125	5	DN125	M12	142	153	0.23
CL01-150	6	DN150	M12	170	184	0.26
CL01-200	8	DN200	M12	221	236	0.56



Note: ANSI size is available upon request.

Dry Barrel Fire Hydrant

# Dry Barrel Fire Hydrant

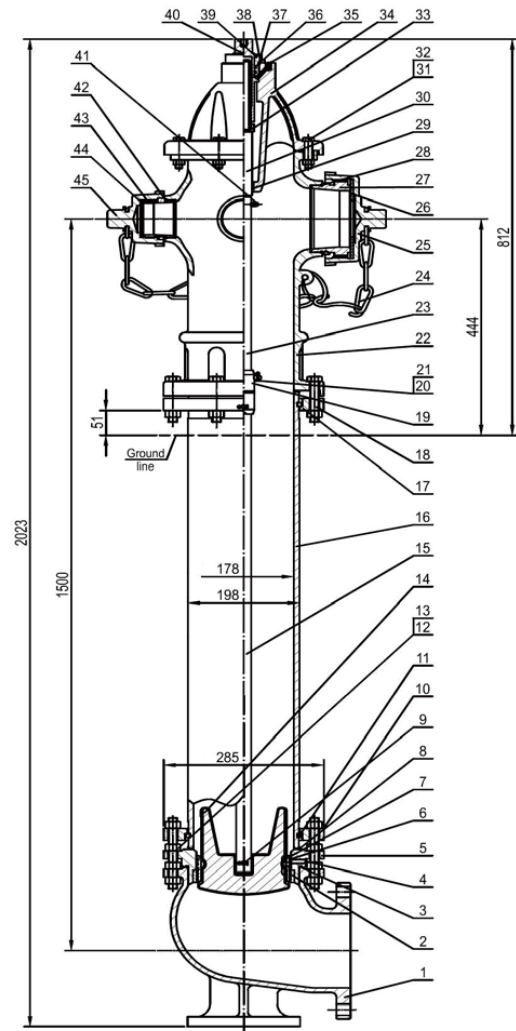
- \* Comply with AWWA C502
- \* Working Pressure: 250psi
- \* Working Temperature: 0° C - 60 ° C
- \* FM Approved & UL Listed

### Construction

- \* Inlet: Flanged (ANSI or PN16)
- Other Types are available
- \* Epoxy Coated on Red
- Other finish and color are available
- \* One pumper nozzle 4 7/4 1/2" with
- Two hose nozzles 2 1/2"
- Other configurations and threads are available

### Notes:

- \* When ordering, please specify the Length to avoid further fabrication
- \* FlowCom reserves the right to make Changes on design and/or material Without notice



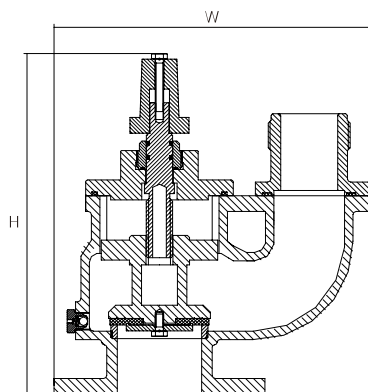
## Material Specifications

PART	SPECIFICATION	PART	SPECIFICATION	PART	SPECIFICATION
1. Hydrant Body	ASTM A536	16. Barrel	ASTM A536	31. Hex Nuts	ASTM A574
2. Seal-ring	ASTM B584	17. Breakable Flange	ASTM A126B	32. Screw	ASTM A574
3. O-ring	EPDM	18. Bolts	ASTM A574	33. Stop Nut	45#
4. Scrwed Plug	ASTM B584	19. Coupling	ASTM A536	34. Hydrant Bonnet	ASTM A536
5. Main Valve Flange	ASTM A536	20. Pin Axes	SS304	35. Oil Cup	
6. O-ring	EPDM	21. Pin	SS304	36. O-ring	EPDM
7. Valve Seat	ASTM B584	22. Drainpipe	ASTM A536	37. O-ring	EPDM
8. Barrel Gasket	EPDM	23. Up Stem	ASTM A574M	38. Bush	ASTMB16-H02 C36000
9. Pin Axes	SS304	24. Link		39. Dustproof Ring	EPDM
10. Lower Flange	ASTM A536	25. Big Nozzle Cap	ASTM A536	40. Stem Nut	ASTM B584
11. Lock Ring	SS304	26. Big Sealed Gasket	EPDM	41. Pin Axes	SS304
12. Hex Nuts	ASTM A574	27. Big Outlet	ASTM B584	42. O-ring	EPDM
13. Stud Bolts	ASTM A574	28. O-ring	EPDM	43. Small Outlet	ASTM B584
14. Wedge	ASTM A536 with EPDM	29. O-ring	EPDM	44. Small Sealed Gasket	EPDM
15. Lower Stem	ASTM A574M	30. Stem	SS410	45. Small Nozzle Cap	ASTM A536



Underground Fire Hydrant

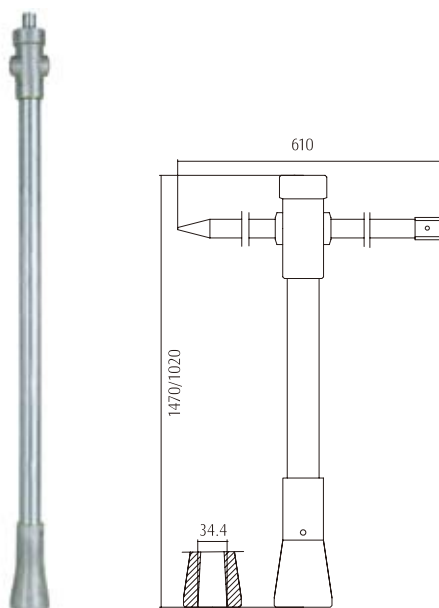
Underground Fire Hydrants



KX08-179-00

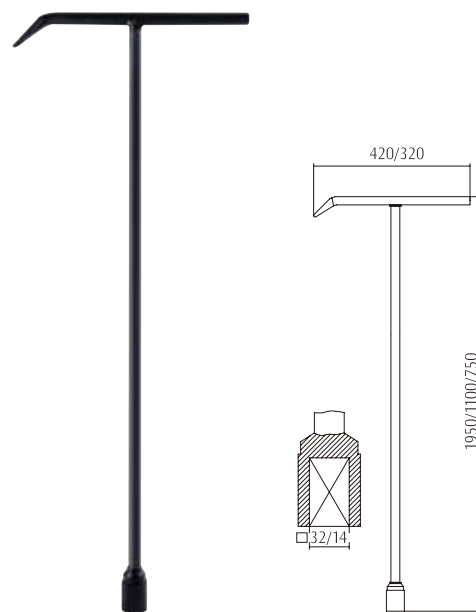
DN80	270	286	35	BSRT
Flange	270	286	35	DN80
DN100	270	286	35	BSRT
Flange	270	286	35	DN80

Hydrant Key Socket



KX08-089-00

Actuating Key

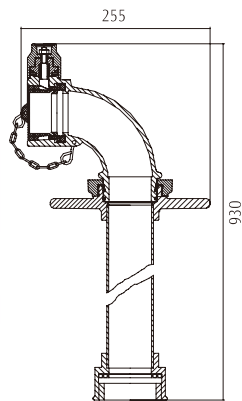
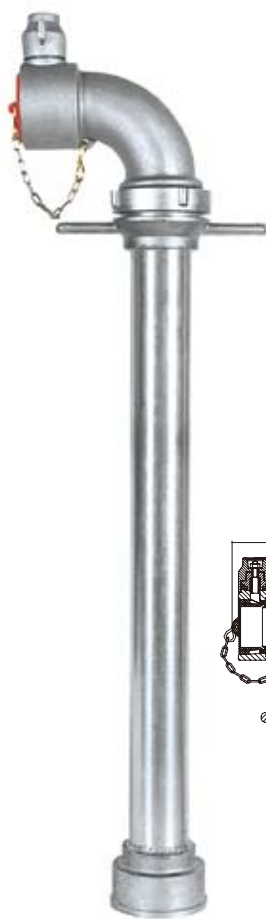


KX10-161-00

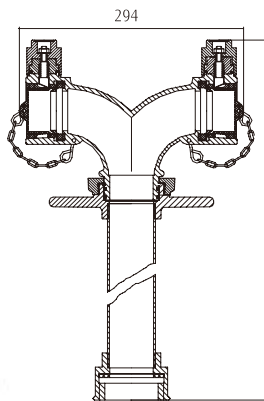
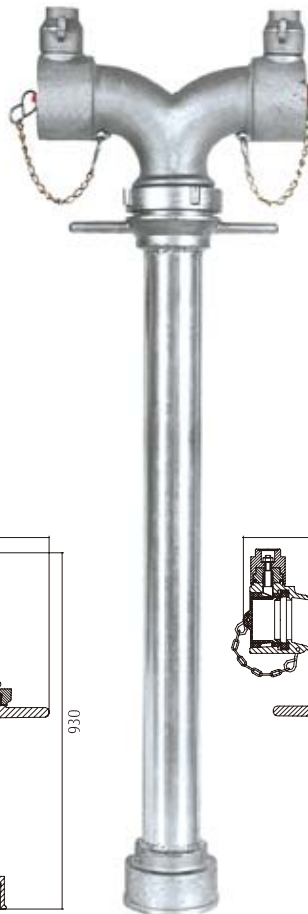
**Standpipes**

**Single Head**

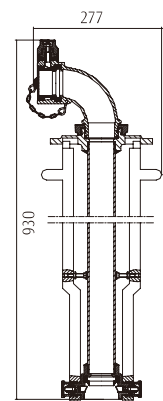
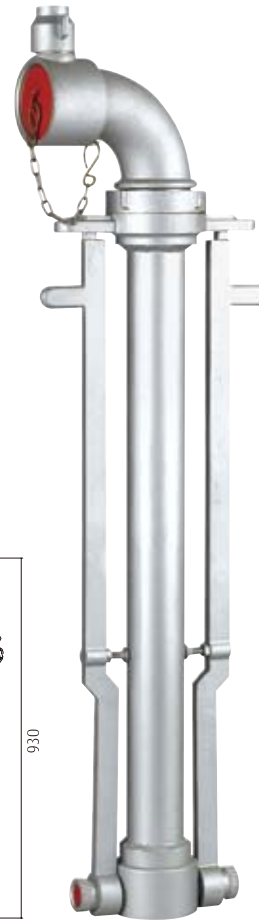
**Double Head**



**KX08-087-00**



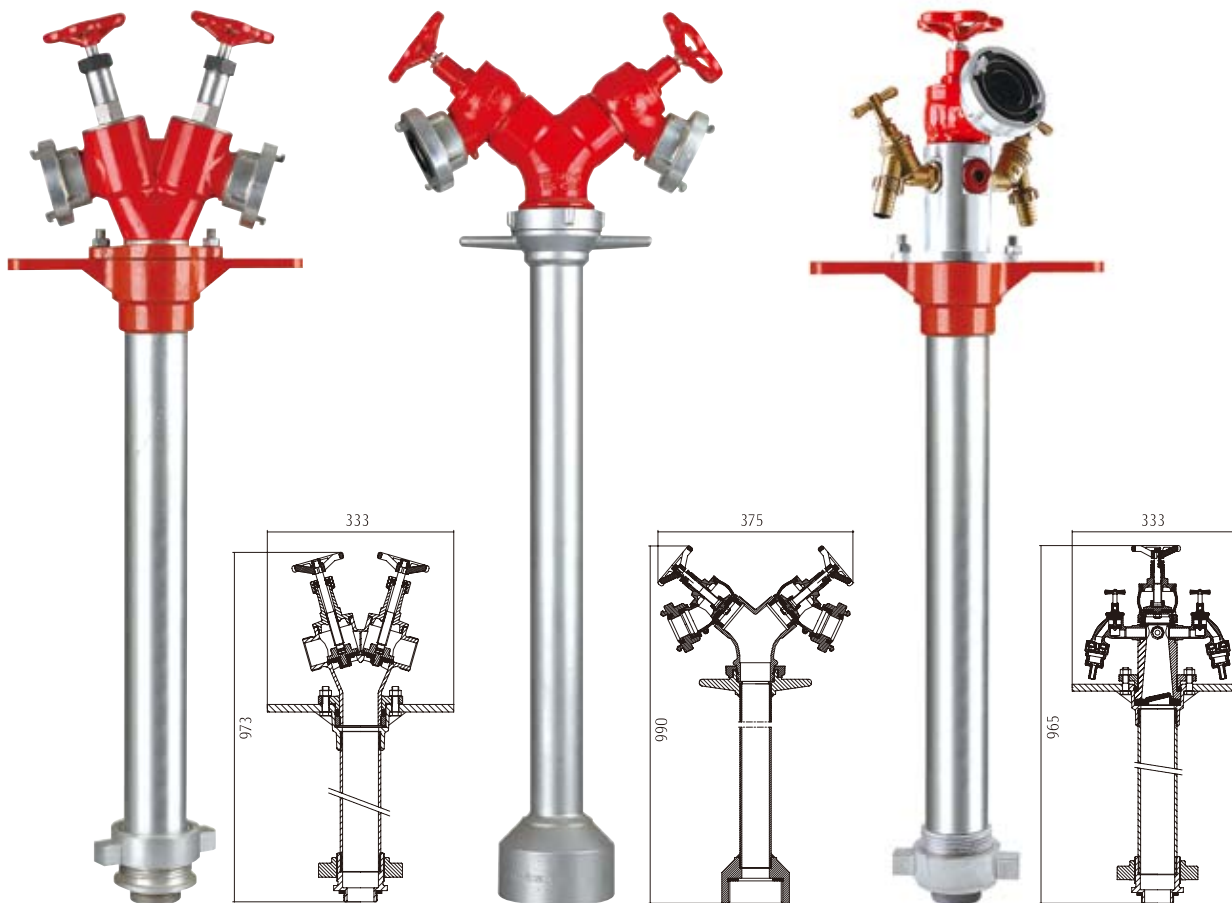
**KX08-088-00**



**KX08-087D-00**

Model No	Inlet	Outlet	Weight	T.P
KX08-087-00 Standpipes	BSRT	BS336	3.2	24bar
	DN80	BS336	3.2	24bar
KX08-088-00 2 Way Standpipes	BSRT	BS336	4.6	24bar
	DN80	BS336	4.6	24bar
KX08-087D-00	BS336	BS336	3.8	24bar

Standpipes



**KX08-175-00**

**KX08-183-00**

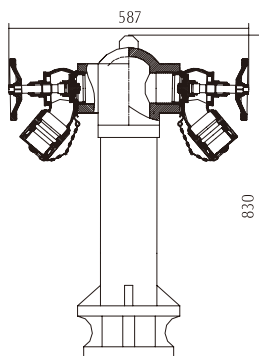
**KX08-175C-00**

Model No	Inlet	Outlet	Weight	T.P
KX08-183-00 2 Way Standpipes	TR105	Storz-C	5.6	24bar
	DN80	Storz-C	5.5	24bar
KX08-175-00 2 Way Standpipes	G2.5"	Storz-C	5.5	24bar
	DN80	Storz-C	5.5	24bar
KX08-175C-00 3 Way Standpipes	G2.5"	Storz-C	7.6	24bar
	DN80	Storz-C	7.6	24bar



Fire Hydrant

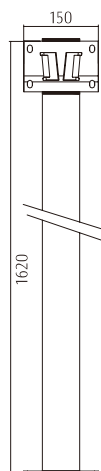
2 Ways Fire Hydrant With Valves



**KX08-081A-00**

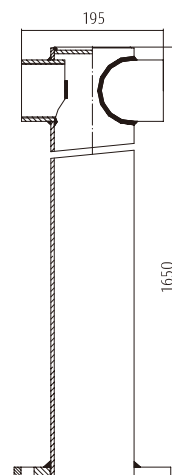
Inlet	Outlet	Test Pressure
DN100 With Flange	2.5"NST×2	435 psi 30 bar
	BS336×2	
	2.5"Storz×2	
Weight	Material	
60Kg	Body: Cast Iron BS 1452	
	Valves: Brass or Bronze	

Fixed Type Hose Reel Stand



**KX10-207-00**

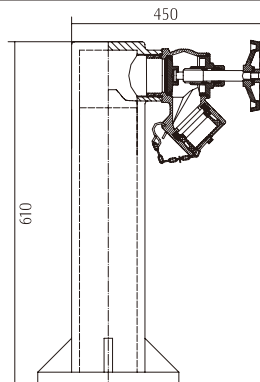
Standpipe For Fire Hydrant



**KX08-118-00**

Fire Hydrant

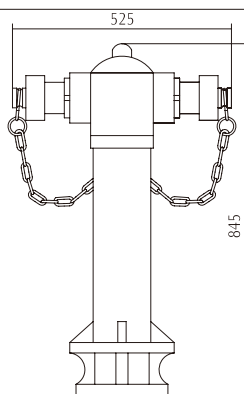
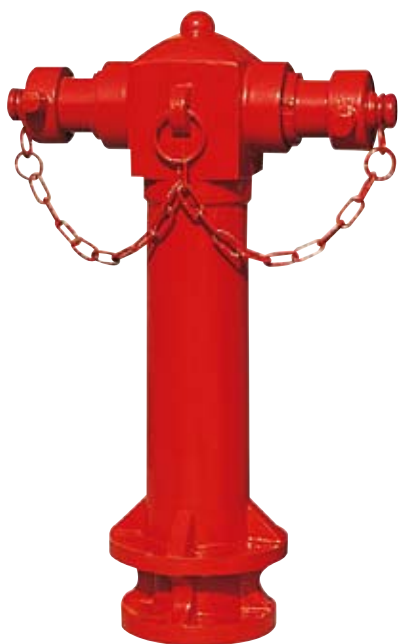
2 Ways Fire Hydrant With Valves



**KX08-081C-00**

Inlet	Outlet	Test Pressure
DN100 With Flange	2.5"NST×2	435 psi 30 bar
	BS336×2	
	2.5"Storz×2	
Weight	Material	
50Kg	Body: Cast Iron BS 1452	
	Valves: Brass or Bronze	

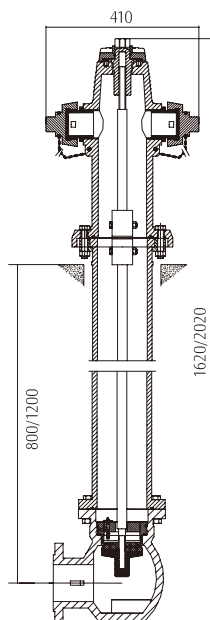
2 Ways Fire Hydrant



**KX08-081-00**

Inlet	Outlet	Test Pressure
DN100 With Flange	NSW×2	435 psi 30 bar
	2.5"Storz×2	
	BS336×2	
Weight	Material	
65Kg	Body: Cast Iron BS 1452	
	Adapter: Brass or Bronze	

**3 Ways 4" Fire Hydrant**

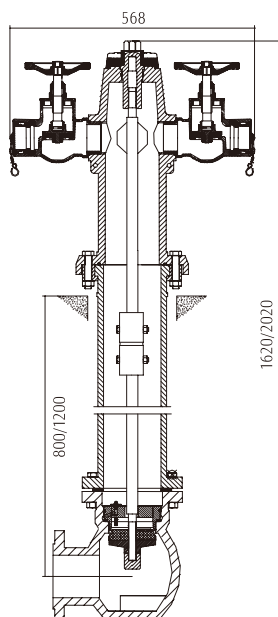


**KX08-082-00**

Inlet	Outlet	
DN100	2.5"NH×2	4"NH
With Flange	2.5"Storz×2	4"Storz
800mm	BS336×2	4"BSRT
Weight	Material	
130Kg	Body: Cast Iron BS 1452	
	Adapter: Brass or Bronze	

Inlet	Outlet	
DN100	2.5"NH×2	4"NH
With Flange	2.5"Storz×2	4"Storz
1200mm	BS336×2	4"BSRT
Weight	Material	
150Kg	Body: Cast Iron BS 1452	
	Adapter: Brass or Bronze	

**3 Ways 6" Fire Hydrant with valves**



**KX08-083-00**

Inlet	Outlet	
DN150	2.5"NH×2	4"NH
With Flange	2.5"Storz×2	4"Storz
800mm	BS336×2	4"BSRT
Weight	Material	
180Kg	Body: Cast Iron BS 1452	
	Adapter: Brass or Bronze	

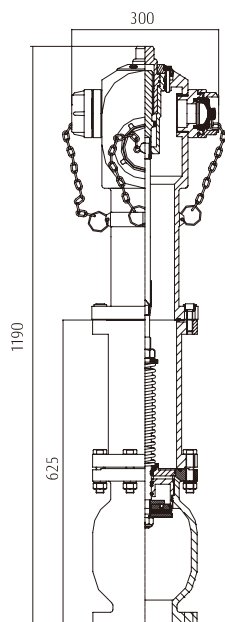
Inlet	Outlet	
DN150	2.5"NH×2	4"NH
With Flange	2.5"Storz×2	4"Storz
1200mm	BS336×2	4"BSRT
Weight	Material	
205Kg	Body: Cast Iron BS 1452	
	Adapter: Brass or Bronze	





Fire Hydrant

**3 Ways 4" Fire Hydrant**

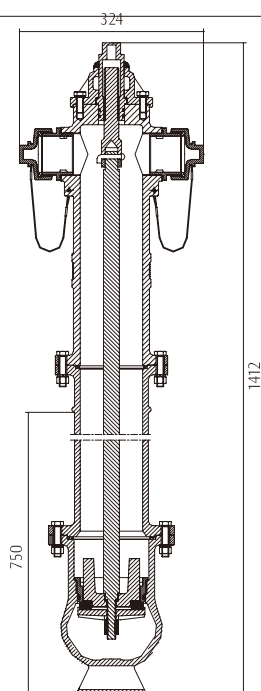


**KX08-117E-00**

Inlet	Outlet	
DN100 With Flange	UNE 65×2	UNE 100
	DSP 65×2	AR 100
	2.5"Storz×2	4"Storz
Weight	Material	
80Kg	Body: Cast Iron BS 1452	
	Valves: Brass or Aluminium	

Inlet	Outlet	
DN100 With Flange & Duck foot	UNE 65×2	UNE 100
	DSP 65×2	AR 100
	2.5"Storz×2	4"Storz
Weight	Material	
90Kg	Body: Cast Iron BS 1452	
	Adapter: Brass or Aluminium	

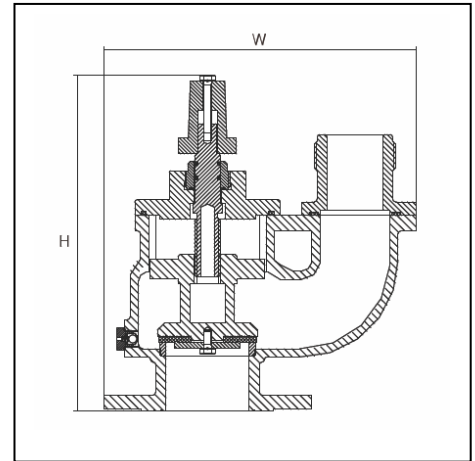
**2 Ways 4" Fire Hydrant**



**KX08-178-00**

Inlet	Outlet	Test Pressure
DN100 With Flange	2.5"NST×2	435 psi
	2.5"NSW×2	
	BS336×2	30 bar
Weight	Material	
85Kg	Body: Cast Iron BS 1452	
	Valves: Brass or Bronze	

# Under Ground Hydrant



Specification:

Model No	KX08-179-00
Body	Ductile Iron Body to BS EN 1563
Test Pressure	25 Bar
Inlet	3" Flanged, 4" Flanged
Outlet	2.5"BS High Tensile Brass BSRT 3"BS High Tensile Brass BSRT



# Grooved Fittings



Threaded  
Mechanical Tee

Size:  
1 1/2"\*1" up to 8"\*4"



Cross

Size:  
1 1/4" up to 8"



Grooved  
Reducing Cross

Size:  
3"\*2 1/2" up to 6"\*4"



90° Grooved Elbow

Size:  
1" up to 12"



11.25° Grooved Elbow

Size:  
4" up to 10"



22.5° Grooved Elbow

Size:  
3" up to 8"



45° Grooved Elbow

Size:  
1" up to 12"



Grooved  
Concentric Reducer

Size:  
1 1/4"\*1" up to 12"\*10"



Threaded  
Concentric Reducer

Size:  
1 1/4"\*1" up to 8"\*3"



Grooved  
Eccentric Reducer

Size:  
4"\*2 1/2" up to 8" \* 6"



# Grooved Fittings



Rigid Coupling

Size:  
1" up to 16"



Flexible Coupling

Size:  
1" up to 16"



Sloping Coupling

Size:  
1" up to 8"



Shouldered Coupling

Size:  
4" up to 6"



Mining Coupling

Size: 4"



Reducing Flexible Coupling

Size:  
2"\*1" up to 8"\*6"



Grooved Equal Tee

Size:  
1" up to 12"



Grooved Reducing Tee

Size:  
2"\*1" up to 12"\*10"



Threaded Reducing Tee

Size:  
1 1/2"\*1" up to 10"\*3"



Grooved Mechanical Tee

Size:  
2" \* 1 1/4" up to 10" \* 4"



# Grooved Fittings



1.6 MPa Flange Adaptor Grooved

Size:  
2" up to 12"



2.5 MPa Flange Adaptor Grooved

Size:  
4" up to 6"



1.0 MPa Flange Adaptor Grooved

Size:  
2" up to 8"



Grooved Split Flange

Size:  
2" up to 8"



General Flange

Size:  
4" up to 6"



Cap

Size:  
1" up to 12"



Threaded Eccentric Cap

Size:  
2"\*1 1/2" up to 8"\*2"



U-Bolted Mechanical Tee Threaded

Size:  
1"\*1/2" up to 2 1/2"\*1"



Grooved Mechanical Cross

Size:  
2"\*1 1/4" up to 8"\*4"



Threaded Mechanical Cross

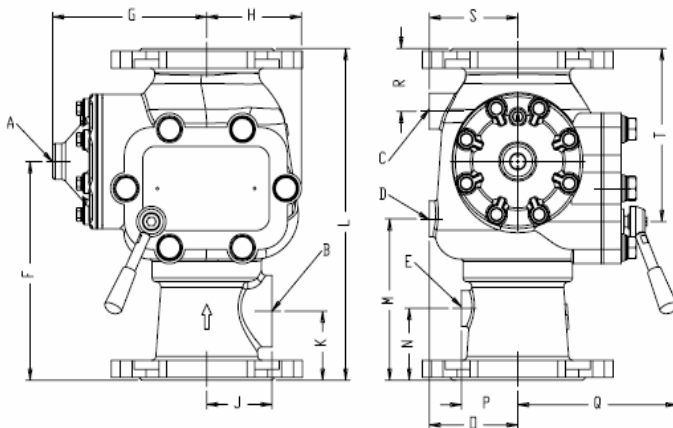
Size:  
2"\*3/4" up to 8"\*4"

# Lever Deluge Alarm Valve

- Hydraulic operating differential pressure
- Straight-flow, big traffic system
- Lever amplification reaction, reliable closing
- Mechanical prevention reset, without pressure relief valve
- External reset, simple and quick
- Push rod chamber volume is small, rapid opening
- Simple piping, Convenient installation
- Drain valve connected to drainage riser

Using ZSFG Lever Deluge Alarm valve

- Compact and simple
- Save your space effectively



4 Inch (100mm) and 6 Inch (150mm) Valve

Nominal Dimensions in Inches and (mm)									
VALVE SIZE	A	B	C	D	E	F	G	H	J
4 (100)	1/2"	2"	1/2"	1/2"	1/2"	9.61 (244)	7 (178)	4.33 (110)	2.95 (75)
6 (150)	1/2"	2"	1/2"	1/2"	1/2"	10.31 (262)	7.86 (200)	5.5 (140)	3.6 (92)
VALVE SIZE	K	L	M	N	O	P	Q	R	S
4 (100)	3.03 (77)	14.5 (370)	7.09 (180)	3.15 (80)	4.02 (102)	2.56 (65)	7.2 (183)	2.76 (70)	4.02 (102)
6 (150)	2.76 (70)	15.75 (400)	6.69 (170)	2.76 (70)	5.08 (129)	3.74 (95)	8.1 (206)	3.54 (90)	5.08 (129)

- ◆ Suit for water system, foam extinguishing system, drencher system
- ◆ Easy disassembly and maintenance
- ◆ Size: 100m, 150mm
- ◆ Epoxy painted internally & externally
- ◆ Vertical installation
- ◆ Nodular cast iron
- ◆ Flange X Flange is available
- ◆ Rating working pressure 1.4MPa
- ◆ FM approval



Lever Deluge Alarm Valves are used as "automatic water control valves" in deluge, pre-action, and special types of fire protection systems such as foam water and double interlock. The Valves also provide for actuation of fire alarms upon system operation.

Weight in KG and Outside size

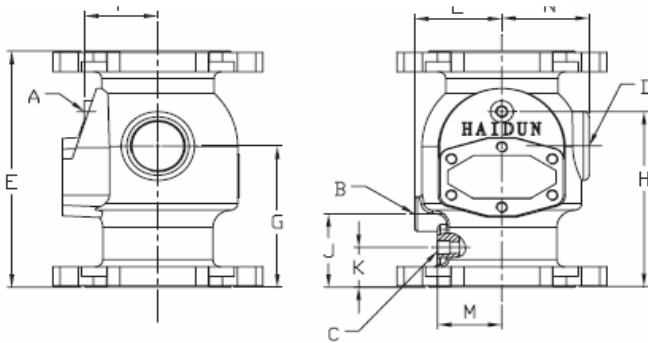
Model	Outside Size	Weight
DN100	612*488*561	55
DN150	630*540*572	75

Note: Wet alarm check valve include water motor gong, retard chamber and accessories



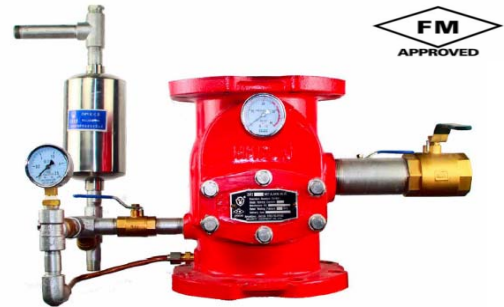
# Wet Alarm Check Valve

- Unilateral piping, easy to operate
- 85dB water motor gong, beautiful shape
- 1.7L Retard chamber, prevent false alarm
- Rating working pressure 1.6MPa
- ◆ Nodular cast iron to ASTM
- ◆ Flanged x Flanged available
- ◆ Size: 100mm,150mm,200mm
- ◆ Epoxy painted internally & externally
- ◆ Suit for all of the wet system
- ◆ Vertical installation



4 Inch (100mm), 6 Inch (150mm) and 8 inch (200mm) Valve

Nominal Dimensions in Inches and (mm)							
VALVE SIZE	A	B	C	D	E	F	G
4 (100)	1/4"	3/4"	1/4"	2"	10.8 (274.3)	3.15 (80)	6.46 (164)
6 (150)	1/4"	3/4"	1/4"	2"	12.44 (316)	4.33 (110)	6.46 (164)
8 (200)	1/4"	3/4"	1/4"	2"	15.94 (405)	5.39 (137)	9.82 (249.5)
VALVE SIZE	H	J	K	L	M	N	
4 (100)	8.03 (204)	3.36 (85)	1.57 (40)	3.74 (95)	2.56 (70)	3.74 (95)	
6 (150)	10.04 (255)	3.54 (90)	1.65 (42)	4.53 (115)	3.94 (100)	5.2 (132)	
8 (200)	12.91 (328)	3.91 (99.5)	1.69 (43)	5.51 (140)	4.72 (120)	5.51 (140)	



Alarm Check Valves are divided seat ring, rubber faced clapper, check type water-flow alarm valves which are intended for use in wet pipe (automatic sprinkler) fire protection systems. They are designed to automatically actuate electrically and/or hydraulically operated alarms when there is a steady flow of water into the system which is equivalent to the discharge rate of one or more sprinklers.

Using ZSFZ Wet Alarm valve

- Compact and simple
- Save your space effectively

Weight in KG and Outside size

Model	Outside Size	Weight
DN100	560*410*470	50
DN150	620*410*470	60
DN200	640*450*480	128

Note: Wet alarm check valve include water motor gong, retard chamber and accessories

# Water Motor Gong



## GENERAL DESCRIPTION

The ZSJL water motor gong discussed in this Report is a device which sounds a locally audible alarm when a fire protection system operates, usually when an alarm valve trips. The flow from the alarm valve pressure port is piped to the inlet of the water motor gong housing, which induces the impeller to spin the drive shaft and rotate the striker assembly. The rotating striker impacts the inside of the shell, thereby producing the audible alarm.

### Type:

Model ZSJL Water Motor Alarm  
Hydraulically Operated Mechanical Sprinkler Alarm

### Working Water Pressure Range:

1.2Mpa

### Nozzle K-Factor:

0.7GPM/PSI 1/2(10,1 LPM/bar1/2)

### Y-Strainer:

3/4 inch, cast iron, 20 mesh screen

### Trim Components:

Galvanized steel nipples and cast iron fittings



# Sprinkler – Standard Response



- ◆ Small orifice, standard and quick response, spray sprinkler
- ◆ Designed for use in light hazard occupancies
- ◆ Requires less water than standard K=5.6 orifice sprinkler
- ◆ Pintle provides visual indication that these sprinkler have an orifice other than k=5.6
- ◆ Chrome, Brass, White Painting are available



Model	Temperature Rating	Glass Bulb Color	Thread Size	Max.Service Pressure	K Factor	Glass Bulb Diameter
SSP-SR15	155°F/68°C	Red	NPT1/2 or R1/2	175psi (1.2MPa)	5.6 (80)	5mm
	175°F/79°C	Yellow				
	200°F/93°C	Green				



Model	Temperature Rating	Glass Bulb Color	Thread Size	Max.Service Pressure	K Factor	Glass Bulb Diameter
SSU-SR15	155°F/68°C	Red	NPT1/2 or R1/2	175psi (1.2MPa)	5.6 (80)	5mm
	175°F/79°C	Yellow				
	200°F/93°C	Green				



Model	Temperature Rating	Glass Bulb Color	Thread Size	Max.Service Pressure	K Factor	Glass Bulb Diameter
HSW-SR15	155°F/68°C	Red	NPT1/2 or R1/2	175psi (1.2MPa)	5.6 (80)	5mm
	175°F/79°C	Yellow				
	200°F/93°C	Green				

# Sprinkler –Quick Response



- ◆ Small orifice, standard and quick response, spray sprinkler
- ◆ Designed for use in light hazard occupancies
- ◆ Requires less water than standard K=5.6 orifice sprinkler
- ◆ Pintle provides visual indication that these sprinkler have an orifice other than k=5.6
- ◆ Chrome, Brass, White Painting are available



Model	Temperature Rating	Glass Bulb Color	Thread Size	Max.Service Pressure	K Factor	Glass Bulb Diameter
SSP-QR15	155°F/68°C	Red	NPT1/2 or R1/2	175psi (1.2MPa)	5.6 (80)	3mm
	175°F/79°C	Yellow				
	200°F/93°C	Green				



Model	Temperature Rating	Glass Bulb Color	Thread Size	Max.Service Pressure	K Factor	Glass Bulb Diameter
SSU-QR15	155°F/68°C	Red	NPT1/2 or R1/2	175psi (1.2MPa)	5.6 (80)	3mm
	175°F/79°C	Yellow				
	200°F/93°C	Green				



Model	Temperature Rating	Glass Bulb Color	Thread Size	Max.Service Pressure	K Factor	Glass Bulb Diameter
HSW-QR15	155°F/68°C	Red	NPT1/2 or R1/2	175psi (1.2MPa)	5.6 (80)	3mm
	175°F/79°C	Yellow				
	200°F/93°C	Green				

# Sprinkler Hose



### BRAIDED FLEXIBLE HOSE

Model #	Length(mm)
EFB2(3) 24	610
EFB2(3) 36	1000
EFB2(3) 48	1200
EFB2(3) 60	1500
EFB2(3) 72	1820



- (1) 1" Inlet
- (1) 1/2" (or 3/4") Outlet
- (1) Braided Hose



### UNBRAIDED FLEXIBLE HOSE

Model #	Length(mm)
EFU2(3) 24	610
EFU2(3) 36	1000
EFU2(3) 48	1200
EFU2(3) 60	1500
EFU2(3) 72	1820



- (1) 1" Inlet
- (1) 1/2" (or 3/4") Outlet
- (1) Unbraided Hose



### BRAIDED FLEXIBLE HOSE

Model #	Length(mm)
EFSPC 236	1000
EFSPC 248	1200
EFSPC 260	1500
EFSPC 272	1800



Mold-bar Type

- (1) 1" Inlet x 1/2" (or 3/4") Outlet



### BRAIDED FLEXIBLE HOSE

Model #	Length(mm)
EFDC 236	1000
EFDC 248	1200
EFDC 260	1500
EFDC 272	1800



For Square & Round Duct

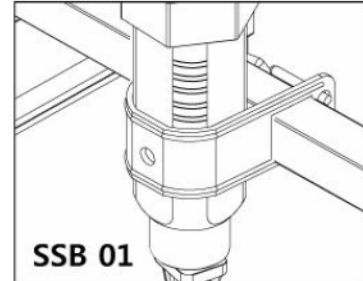
- (1) 1" Inlet x 1/2" (or 3/4") Outlet



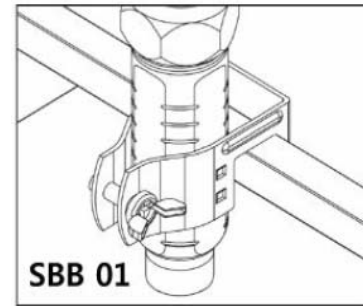
# Sprinkler Hose – Fittings



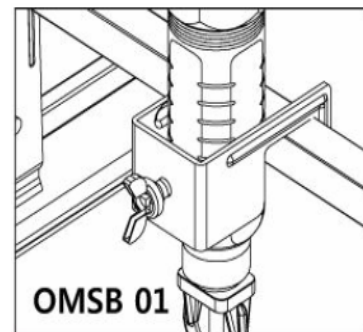
**Model: SSB 01**  
**Snap Clamp Center Bracket**  
**for Stock Bar**



**Model: SSB 02**  
**Snap Clamp Center Bracket**  
**for Stock Bar**



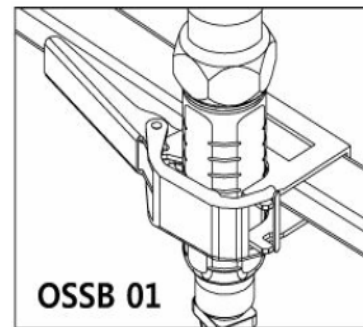
**Model: SBB 01**  
**Center Bracket for Stock Bar**



**Model: SBB 02**  
**Center Bracket for Stock Bar**



**Model: OSSB 01**  
**Open Gate Snap Center**  
**Bracket for Stock Bar**



**Model: SSBR 01**  
**Open Gate Snap Center**  
**Bracket for Ceiling Anchor**



# Concealed Sprinkler



- ◆ standard and quick response, spray sprinkler
- ◆ Designed for use in light hazard occupancies
- ◆ Requires less water than standard K=5.6 orifice sprinkler
- ◆ Pintle provides visual indication that these sprinkler have an orifice other than k=5.6



Concealed sprinkler applies suitable to places where are luxuriously decorated and required beautiful appearances, such as shopping center, star – ranking hotel, hotel, Amusement center, etc. It is also suitable to places where the ceiling is quite low or the clearance is limited because of decoration and air condition factors in and palaces, such as population areas, frequently portaging place, as well as places that possibly touch the sprinkler at any time, in order to avoid mis-operation by human factors. Operation temperature of glass ball and bottom cap list as the following table:

Operation temperature of glass ball	68	79	93
Operation temperature of Bottom cap	57	68	79

Major technique parameters of the concealed sprinkler

Type	Glass ball standards	Temperature	Orifice	Flow K	Thread
ZSTDY-15	3mm	68	DN15	80	R1/2 NPT1/2
	5mm				

# MV&HV Spray Nozzle

Spray nozzle is one of the components in spray extinguishing system, including ZSTWB high speed spray nozzle and ZSTWC middle speed spray nozzle. Spray nozzle is set up in the level, upright and oblique direction.

Type	ZSTWC□/△ middle speed spray nozzle									
Flow specific coefficient K			28	34	37	43	54	67	86	118
Flow (L/min)	30	40	50	60	70	80	100	125	160	220
Connecting thread	R1/2 or NPT 1/2									
Spray angle	60°、90°、120°、150°、180°									
Rated working pressure	0.35MPa									
Certification	Production type that possesses certification									
Type test report	ZSTWC54/120、21/120									



Type	ZSTWB□/△ fast speed spray nozzle											
Flow specific coefficient K	16	22	27	34	43	54	68	80	86	107	117	160
Flow (L/min)	30	40	50	63	80	100	125	150	160	200	220	300
Connecting thread	R1/2 or NPT1/2		R3/4 or NPT 3/4				R1 or NPT 1					
Spray angle	60°、90°、120°						90°					
Rated working pressure	0.35MPa											
Certification	Production type that possesses certification											
Type test report	ZSTWB43/120、ZSTWB43/90、ZSTWB34/120、ZSTWB27/120、ZSTWB16/90											
CCS	ZSTWB-(30、40、50、63、80、100)-(60°、90°、120°) ZSTWB-(120、125、150、160、200、220、300)-90°											



Statement: "□" stands for flow specific coefficient, "△" stands for Spray angle

# Water Curtain(Drencher) Nozzle

ZSTM Drencher Nozzle is one of the components in automatic or manual drencher system, which applies to the construction that need drencher to be protected and separates the large space in the construction through drencher. It is used to cool protect window, cornice, fuel constructed wall and fire shutter that designed in the construction, and widely applied to cool protection of oil barrette and fire protection of dangerous goods wharf.



Type and standards		Flow specific coefficient	Spray angle (°)	Minimum working pressure	Connecting thread
Pendent	ZSTMA-T28/160	28	160	0.1MPa	R1/2 or NPT1/2
	ZSTMA-T40/160	40			
	ZSTMA-T52/160	52			
	ZSTMA-T80/160	80			R3/4 or NPT3/4
	ZSTMA-T115/160	115			R1 or NPT1
Upright	ZSTMB-T28/160、180	28	160、180	0.1MPa	R1/2 or NPT1/2
	ZSTMB-T40/160、180	40			
	ZSTMB-T52/160、180	52			
	ZSTMB-T80/160、180	80			R3/4 or NPT3/4
	ZSTMB-T115/160、180	115			R1 or NPT1

# Sprinkler Accessories



### 1. Escutcheon Plate

Form	Thread		Chrome & White painting
Single plate	R 1/2		
Double plate	R 1/2	R 3/4	

### 2. Sprinkler Protection Guard

It's attachment production used to protect the sprinkler

### 3. Concealed Cover Plated

Operation temperature of cover plated: 57 68 79

Nominal orifice: DN15

White painted Finish

### 4. Sprinkler Cabinet

Material: Steel

Red Painting

6pcs, 12pcs, 24pcs are available

Special size upon request

### 5. Sprinkler Wrench

Suitable for water sprinkler, ESFR sprinkler, concealed sprinkler

Suitable size: DN15 DN20

# Fire Hose Rack



Fire hose rack is located inside buildings at the wet or dry riser outlet. It features a rack in which hangs the lay flat fire hose (30m). An automatic release mechanism allows water to flow through the hose after removal of the hose and nozzle

Body: Mild Steel Painted with Electrostatic Powder Coating

Model	Type	Diameter	Height(mm)	Width(mm)	Depth(mm)	Min Cabinet Size (mm)
CSJR-18-A	Hose Rack	1.5" * 30m	688	550	650	600*720*200
CSJR-18-B	Hose Rack	2.5" * 30m	798	700	750	760*800*220

# Fire Hose – Single Jacket / EPDM



- ◆ Light weight; construction tightness
- ◆ Corrosion resistance; ageing resistance
- ◆ Weather resistance; Mildew resistance
- ◆ UV resistance and long serving life

Size(mm)	Working Pressure(MPa)	Bursting Pressure(MPa)
38	0.8-2.5	2.4-7.5
44	0.8-2.5	2.4-7.5
51	0.8-2.5	2.4-7.5
64	0.8-2.5	2.4-7.5

### General Description

Single jacket. Polyester warp and filler. EPDM rubber lined. Available with service test pressure of 150PSI and 250PSI

### Application

Fire-fighting; Shipping; petroleum; Chemical industry; Agriculture; Mining

### Color

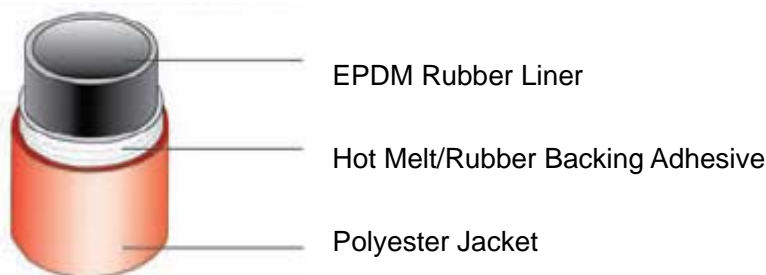
White; yellow; red; or as per customer's instruction

### Standard Length

10M up to 40M

### Couplings

Upon requested



Properties to use Hot Melt: Light weight, good adhesive strength

Properties to use Rubber backing adhesive: more flexible and has higher heat resistance other hoses using other adhesive

# Fire Hose – Double Jacket / EPDM



- ◆ Light weight; construction tightness
- ◆ Corrosion resistance; ageing resistance
- ◆ Weather resistance; Mildew resistance
- ◆ UV resistance and long serving life

Size(mm)	Working Pressure(MPa)	Bursting Pressure(MPa)
38	1.0-2.5	3.0-7.5
64	1.0-2.5	3.0-7.5

**General Description**

Double jacket. Polyester warp and filler. EPDM rubber lined.

**Application**

Fire-fighting; Shipping; petroleum; Chemical industry; Agriculture; Mining

**Color**

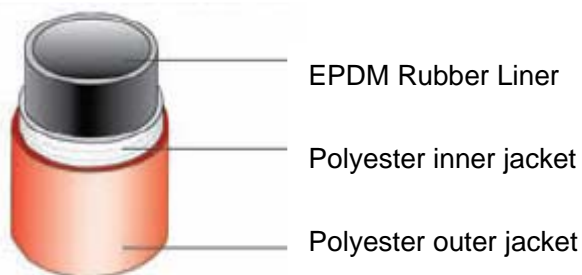
White; yellow; red; or as per customer’s instruction

**Standard Length**

10M up to 40M

**Couplings**

Upon requested





# Fire Hose – EPDM Liner



**General description:**

EPDM lining fire hose has excellent properties of oil resistance, acid & alkali resistance, corrosion resistance, etc.; it is widely used in petroleum, chemicals, ship etc.

- ◆ Jacket: Single jacket or double jacket
- ◆ Color: White, Red, Orange, Yellow, Green, Blue, Brown, etc
- ◆ Lining: High-quality EPDM Lining
- ◆ Lining Color: White, Black, Red, Blue

Note: Jacket and Lining color can be specially customized for needs. National standard, German standard, American standard, Japanese standard & British standard Couplings can also be provided

Size		Single Jacket		Double Jacket		Length	
		Working Pressure	Burst Pressure	Working Pressure	Burst Pressure		
Inch	MM	Bar		Bar		M	FT
1-1/2	40	8-25	24-75	13-25	39-75	15M 20M 25M 30M 50M 100M	50FT 65FT 80FT 100FT 150FT 300FT
1-3/4	45	8-25	24-75	13-25	39-75		
2	50	8-25	24-75	13-25	39-75		
2-1/2	65	8-25	24-75	13-25	39-75		
2-3/4	70	8-25	24-75	13-25	39-75		
3	80	8-25	24-75	13-25	39-75		
3-1/2	90	8-25	24-75	13-25	39-75		
4	100	8-16	24-48	13-25	39-75		
4-1/2	110	8-16	24-48	13-25	39-75		
5	125	8-13	24-39	13-25	39-75		
6	150	8-13	24-39	13-25	39-75		

# Fire Hose – Duraline type



◆ Properties & Application

Fire Hose has good properties of easily cleaning, abrasive-resistance, aging-resistance, corrosion - resistance, long life, strong adhesion, cold-resistance, light & portable, low flow resistance, easy winding, etc.; it is widely used in mineral water delivery, fire protection for buildings, fire engine, fire cabinet, ship, Petroleum & Chemical industry, garden irrigation, snow-making place, etc.

◆ Construction

Jacket: single jacket, warp is polyester staple fiber, weft is polyester filament yarn, or both are polyester filament yarns. plain or twill woven.

Lining Color: White, Blue, Red, Black, etc.

Jacket and Lining color can be specially customized for needs. National standard, German standard, American standard, Japanese standard & British standard Couplings can also be provided.

◆ Inner & Outer Lining

PU Liner, PVC Liner, NBR Liner is available

Size		Working Pressure	Burst Pressure	Length	
Inch	MM	Bar	Bar	M	FT
1	25	13-25	39-75	15M 20M 25M 30M 50M 100M	50FT 65FT 80FT 100FT 150FT 300FT
1-1/2	40	8-25	39-75		
1-3/4	45	8-25	39-75		
2	50	8-25	39-75		
2-1/2	65	8-25	39-75		
2-3/4	70	8-25	39-75		
3	80	8-25	39-75		
3-1/2	90	8-25	24-75		
4	100	8-16	24-48		
4-1/2	110	8-16	24-48		
5	125	8-13	24-39		
6	150	8-13	24-39		

# Fire Hose – Single Jacket / Synthetic



- ◆ Light weight; construction tightness
- ◆ Corrosion resistance; ageing resistance
- ◆ Weather resistance; Mildew resistance
- ◆ UV resistance and long serving life

Size(mm)	Working Pressure(MPa)	Bursting Pressure(MPa)
38	0.8-2.5	2.4-7.5
44	0.8-2.5	2.4-7.5
51	0.8-2.5	2.4-7.5
64	0.8-2.5	2.4-7.5

### General Description

Single jacket. Polyester warp and filler. Synthetic rubber lined. Available with service test pressure of 150PSI and 250PSI

### Application

Fire-fighting; Shipping; petroleum; Chemical industry; Agriculture; Mining

### Color

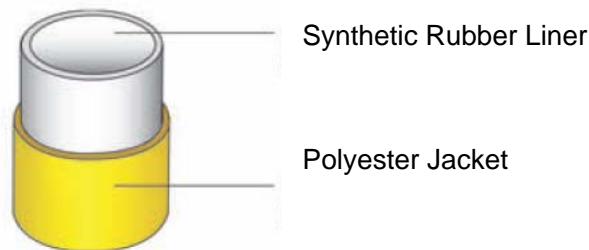
White; yellow; red; or as per customer's instruction

### Standard Length

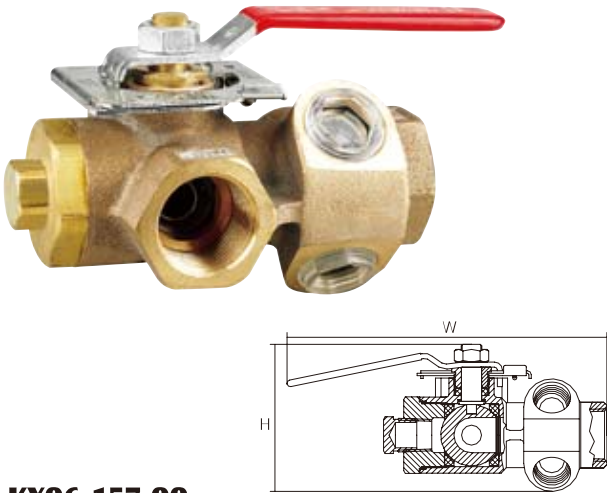
10M up to 40M

### Couplings

Upon requested



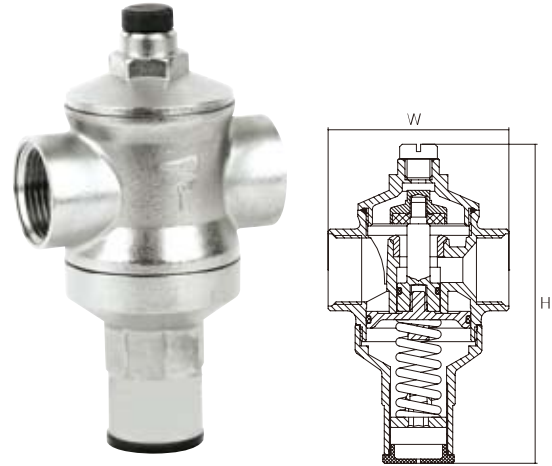
**Fire Drain Valve**



**KX06-157-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN25	93	200	1"NPT	1"NPT
DN40	107	225	1.5"NPT	1.5"NPT
DN50	127	305	2"NPT	2"NPT

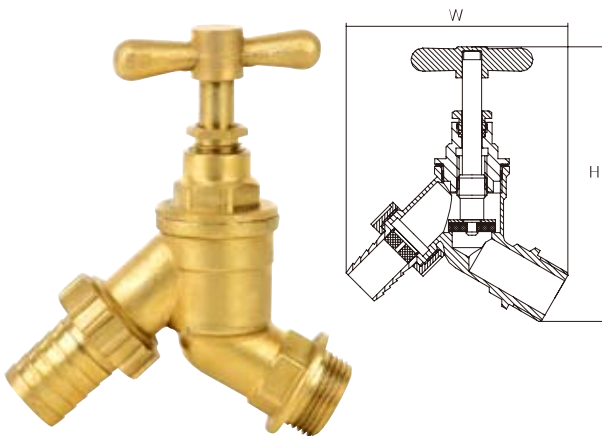
**Pressure Regulating Valve**



**KX06-068-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN25	152	86	1"BSP	1"BSP
DN40	171	91	1.5"BSP	1.5"BSP
DN50	171	91	2"BSP	2"BSP

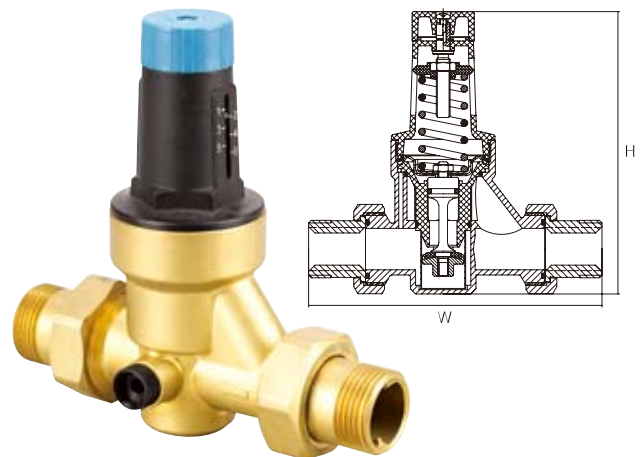
**Shut-off Valve**



**KX06-109A-00**

Size	H(mm)	W(mm)	Inlet	Outlet
1/2"	130	102	3/4"BSP	13mm
3/4"	130	105	3/4"BSP	19mm

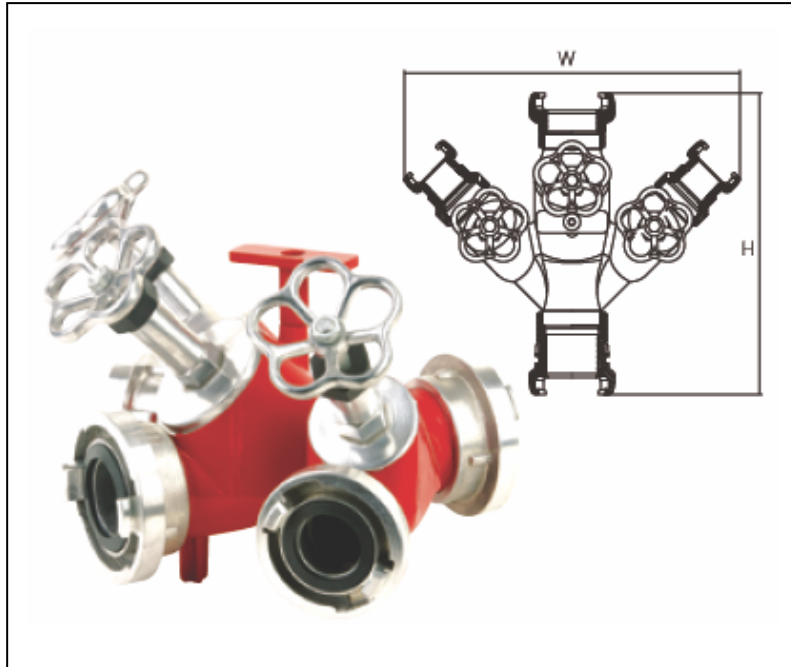
**Pressure Regulating Valve**



**KX06-146-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN25	163	170	1"BSP	1"BSP
DN25	163	170	1"BSPT	1"BSPT

# Roof Manifold

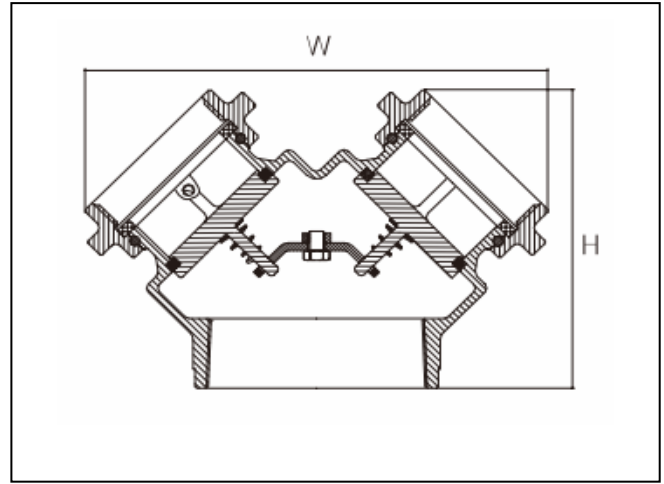


Made of light – alloy, provided with three screw down type valves on the outlets.  
 Outlets with Storz C –B- C couplings.  
 Inlet comes with Storz B coupling.  
 Weight: 5.2 kg

Model: KX06-106-00

Size	H(mm)	W(mm)	Inlet	Outlet
DN65	315	380	2.5" Storz	1*2.5" Storz
DN65	315	380		2*Srorz-C
DN65	380	420	DSP 65	1*DSP 65
DN65	380	420		2*DSP 40

# Fire Department Connection / 2 Way Siamese



Size	H(mm)	W(mm)	Inlet	Outlet
DN100	155	232	4"NPT	2*2.5"NH
DN100	155	232	4"BSPT	2*2.5"NST

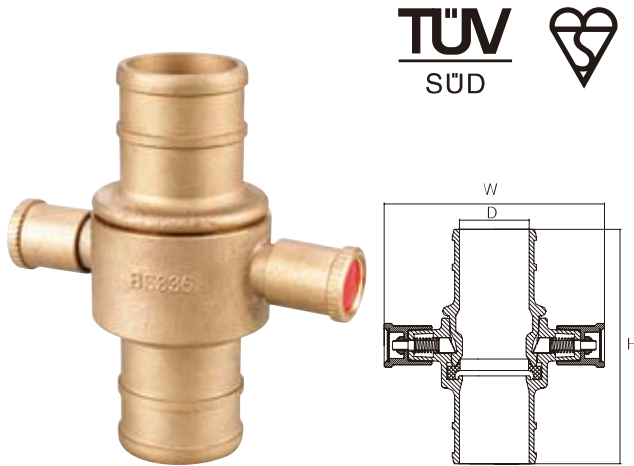
The Fire Department Connection / 2 Way Siamese design allows for one or both inlets to be pressurized during operation and provide supplementary water supply connection for automatic sprinkler systems as per NFPA 13

**Specification:**

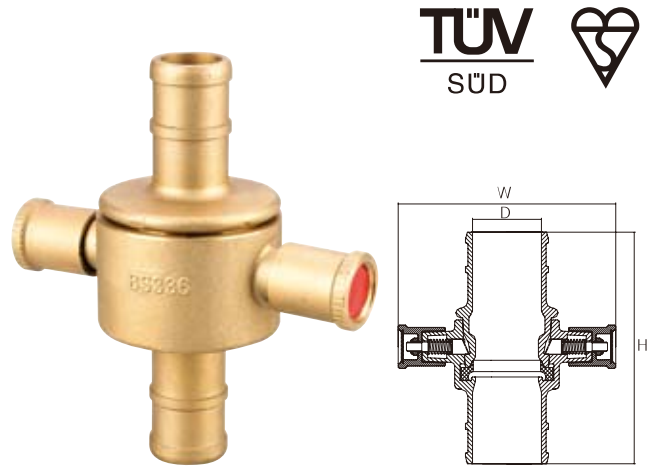
Model No	KX08-176-00
Thread Type	Female NPT or BSPT
Body	Cast Brass
Outlet	2-1/2" Swivel Type
Inlet	4" Straight
Optional	Cap&Chain/Base plate for Clapper Inlet
Surface	Red or Chrome



**John Morris Hose Coupling / Bronze**



**John Morris Hose Coupling / Brass**



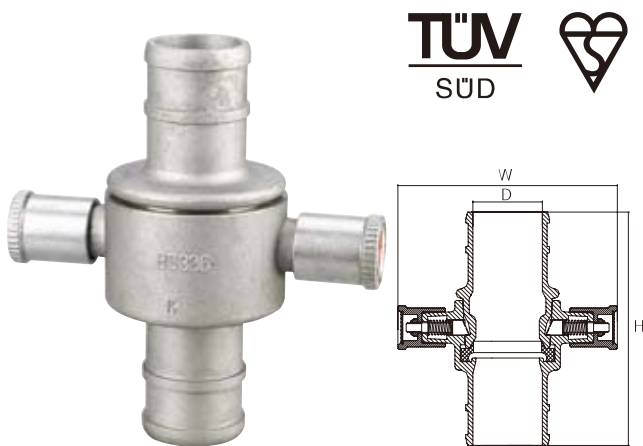
**KX08-201B-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
1-1/2"	195	182	26.6	BS336	38mm
1-3/4"	195	182	32.9	BS336	45mm
2"	195	182	38.5	BS336	51mm
2-1/2"	195	182	51.2	BS336	63.5mm
2-3/4"	195	182	56.8	BS336	75mm

**KX08-201C-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
1-1/2"	195	182	26.6	BS336	38mm
1-3/4"	195	182	32.9	BS336	45mm
2"	195	182	38.5	BS336	51mm
2-1/2"	195	182	51.2	BS336	63.5mm
2-3/4"	195	182	56.8	BS336	75mm

**John Morris Hose Coupling / Aluminium**



**SPECIFICATION OF HOSE COUPLING**

Standard: Certificate to BS 336

Licence No: KM583674 ( approve by BSI )

PART	LM25	6061	CW617N	CW614N	CC491K
Male coupling	✓		✓		✓
Female coupling	✓		✓		✓
Release handle	✓		✓		✓
Release plunger		✓		✓	

**KX08-201A-00**

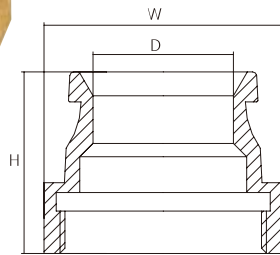
Size	H(mm)	W(mm)	D(mm)	Head	Tail
1-1/2"	195	182	26.6	BS336	38mm
1-3/4"	195	182	32.9	BS336	45mm
2"	195	182	38.5	BS336	51mm
2-1/2"	195	182	51.2	BS336	63.5mm
2-3/4"	195	182	56.8	BS336	75mm

Release Force 45N≤××≤65N

Natural rubber washer to BS 1154

Multi-serrated & Ribbed type

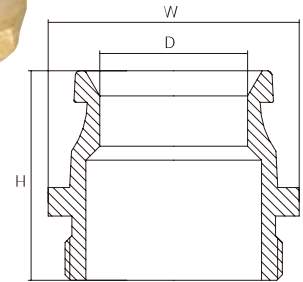
**BS Male Adaptor**



**KX08-017D-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
2-1/2"	65	90	45	BS336	2"BSP
2-1/2"	69	90	53	BS336	2.5"BSP
2-1/2"	69	90	53	BS336	2.5"NST

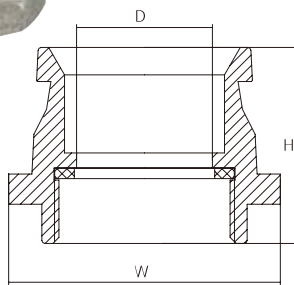
**BS Male Adaptor**



**KX08-017E-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
2"	75	90	45	BS336	2"BSP
2-1/2"	75	90	53	BS336	2.5"BSP
2-1/2"	75	90	53	BS336	2.5"NST

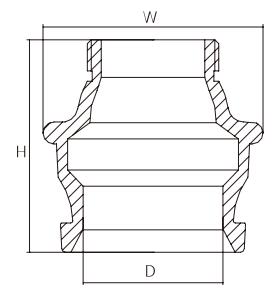
**BS Male Adaptor**



**KX08-017A-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
2"	65	90	45	BS336	2"BSP
2-1/2"	69	90	53	BS336	2.5"BSP
2-1/2"	69	90	53	BS336	2.5"NST

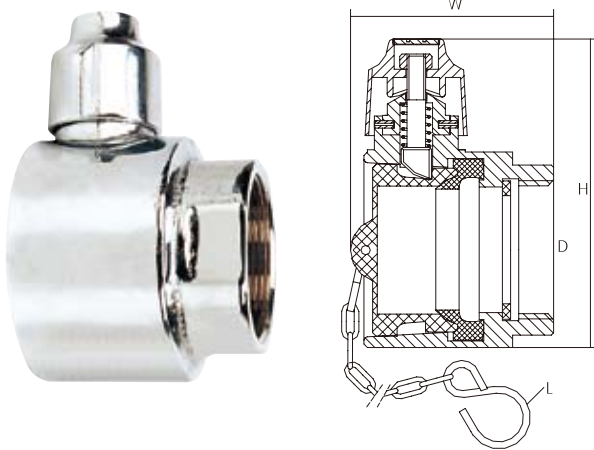
**BS Male Adaptor**



**KX08-015-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
3/4"	82	85	14	BS336	19mm
1"	82	85	19	BS336	25mm
1-1/2"	82	85	38	BS336	1.5"BSP
1-1/2"	82	85	40	BS336	1.5"NST

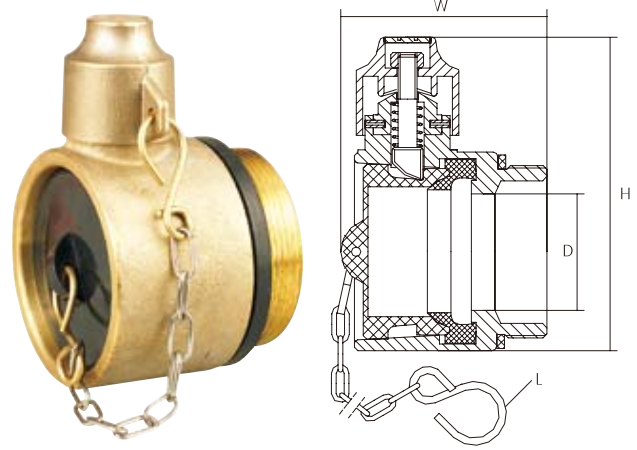
**BS Female Adaptor**



**KX08-023B-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
2"	80	130	45	BS336	2*BSP
2-1/2"	80	130	53	BS336	2.5*BSP
2-1/2"	80	130	53	BS336	2.5*NST

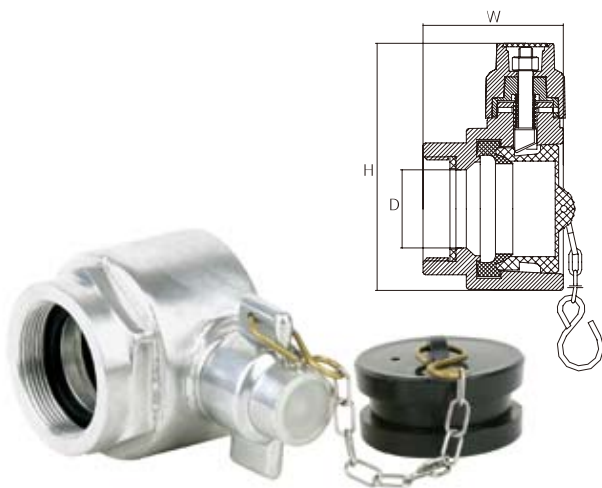
**BS Female Adaptor**



**KX08-023C-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
2"	80	130	45	BS336	2*BSP
2-1/2"	80	130	53	BS336	2.5*BSP
2-1/2"	80	130	53	BS336	2.5*NST

**BS Female Adaptor**



**KX08-067A-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
2"	78	130	45	BS336	2*BSP
2-1/2"	81	130	53	BS336	2.5*BSP
2-1/2"	81	130	53	BS336	2.5*NST

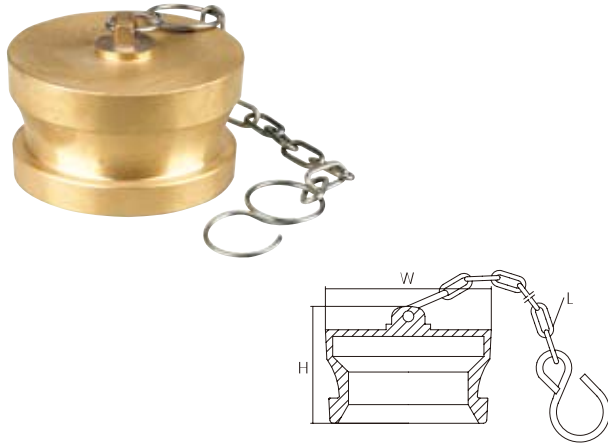
**BS Exchange Adaptor**



**KX08-015A-00**

Size	H(mm)	W(mm)	D(mm)	Head
2-1/2"	92	85	53	BS336 Male
2-1/2"	108	140	53	BS336 Female

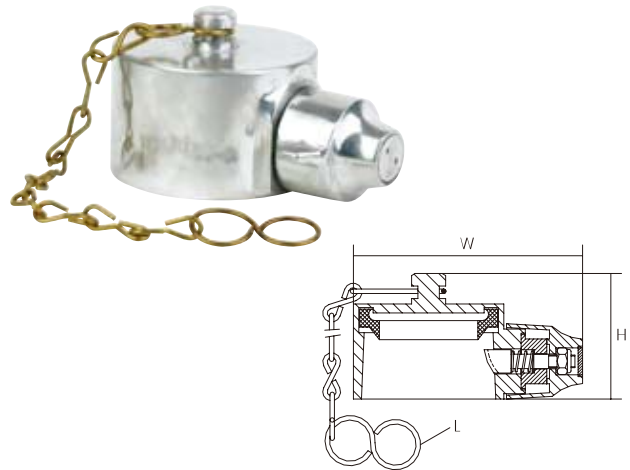
**BS Male Blank cap**



**KX08-024-00**

Size	H(mm)	W(mm)	L(mm)	Head
1-1/2"	40	48	250	1.5"BS
2-1/2"	53	75	250	BS336

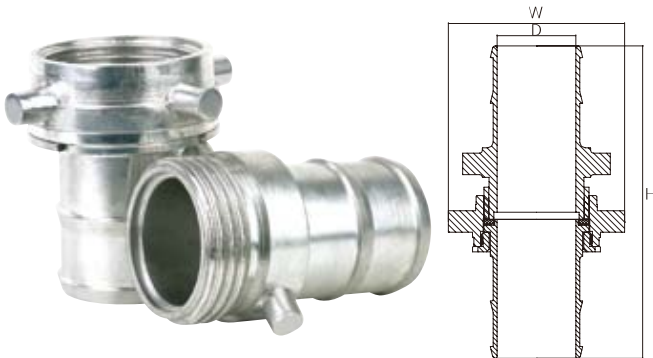
**BS Female Blank cap**



**KX08-074B-00**

Size	H(mm)	W(mm)	L(mm)	Head
1-1/2"	55	100	250	1.5"BS
2-1/2"	70	130	250	BS336

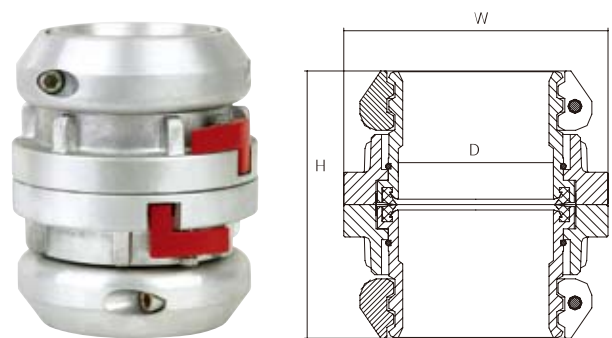
**Suction Hose Coupling**



**KX08-110-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
DN65	231	131	29	QRT	38mm
DN65	231	131	53	QRT	65mm
DN80	285	171	70	3"BSRT	75mm
DN100	335	197	95	4"BSRT	100mm

**Storz Hose Coupling**

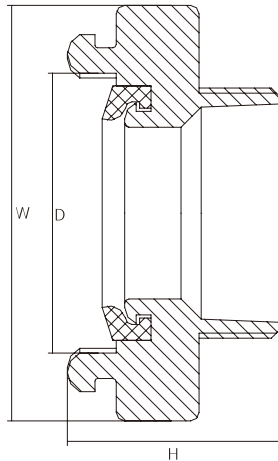


**KX08-102-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
4"	175	156	115	4"Storz	100mm
5"	180	196	148	5"Storz	125mm

**Storz Adaptor with Male Thread**

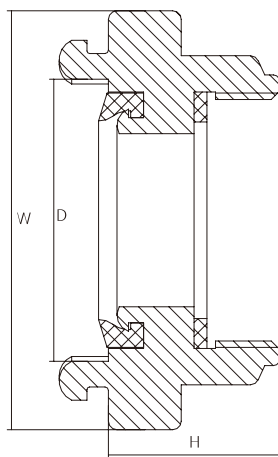
**KX08-002-00**



Size	H(mm)	W(mm)	D(mm)	Head	Thread
DN25	38	55	31	Storz-D	G 3/4"
DN25	38	55	31	Storz-D	G 1"
DN38	45	80	51	1-1/2"Storz	G 1-1/2"
DN38	45	80	51	1-1/2"Storz	G 2"
DN45	45	85	59	1-3/4"Storz	G 1-3/4"
DN45	45	85	59	1-3/4"Storz	G 2"
DN52	45	98	66	Storz-C	G 2"
DN65	50	118	81	2-1/2"Storz	G 2"
DN65	50	118	81	2-1/2"Storz	G 2-1/2"
DN65	50	118	81	2-1/2"Storz	NSW
DN75	55	126	89	Storz-B	G 2-1/2"
DN75	55	126	89	Storz-B	G 3"
DN100	60	156	115	4"Storz	G 4"
DN110	65	182	133	Storz-A	G 4"
DN125	70	196	148	5"Storz	G 5"
DN150	78	215	160	6"Storz	G 6"

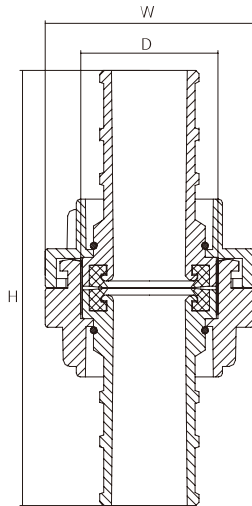
**Storz Adaptor with Female Thread**

**KX08-002H-00**



Size	H(mm)	W(mm)	D(mm)	Head	Thread
DN25	38	55	31	Storz-D	G 3/4"
DN25	38	55	31	Storz-D	G 1"
DN38	45	80	51	1-1/2"Storz	G 1-1/2"
DN38	45	80	51	1-1/2"Storz	G 2"
DN45	45	85	59	1-3/4"Storz	G 1-3/4"
DN45	45	85	59	1-3/4"Storz	G 2"
DN52	45	98	66	Storz-C	G 2"
DN65	50	118	81	2-1/2"Storz	G 2-1/2"
DN65	50	118	81	2-1/2"Storz	NSW
DN65	50	118	81	2-1/2"Storz	CFA
DN75	55	126	89	Storz-B	G 2-1/2"
DN75	55	126	89	Storz-B	G 3"
DN100	60	156	115	4"Storz	G 4"
DN110	65	182	133	Storz-A	G 4"
DN125	70	196	148	5"Storz	G 5"
DN150	78	215	160	6"Storz	G 6"

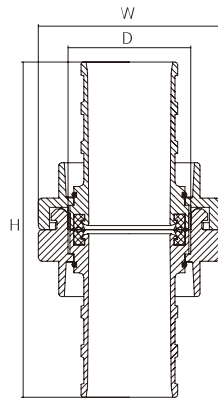
**Storz Hose Coupling**



**KX08-001-00**

Size	H(mm)	W(mm)	D(mm)	Head	Tail
DN25	53	55	31	Storz-D	19mm
DN25	53	55	31	Storz-D	25mm
DN38	80	80	51	1-1/2"Storz	38mm
DN45	85	85	59	1-3/4"Storz	45mm
DN52	65	98	66	Storz-C	45mm
DN52	65	98	66	Storz-C	51mm
DN52	90	98	66	Storz-C	51mm
DN65	90	118	81	2-1/2"Storz	51mm
DN65	65	118	81	2-1/2"Storz	65mm
DN65	95	118	81	2-1/2"Storz	65mm
DN75	115	126	89	Storz-B	65mm
DN75	115	126	89	Storz-B	70mm
DN75	65	126	89	Storz-B	75mm
DN75	125	126	89	Storz-B	75mm
DN110	115	182	133	Storz-A	100mm
DN110	170	182	133	Storz-A	100mm

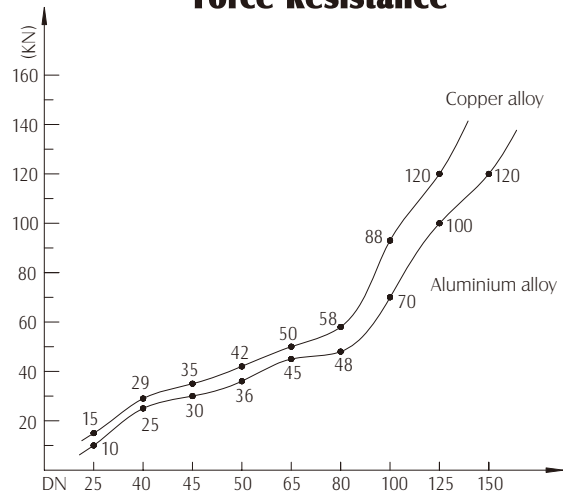
**Storz Hose Coupling**



**KX08-001A-00**

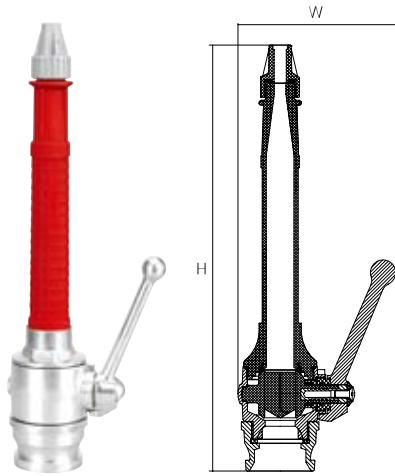
Size	H(mm)	W(mm)	D(mm)	Head	Tail
DN25	53	55	31	Storz-D	19mm
DN25	53	55	31	Storz-D	25mm
DN40	80	80	51	1-1/2"Storz	38mm
DN52	65	98	66	Storz-C	51mm
DN52	90	98	66	Storz-C	51mm
DN65	65	118	81	2-1/2"Storz	65mm
DN65	95	118	81	2-1/2"Storz	65mm

**Force Resistance**





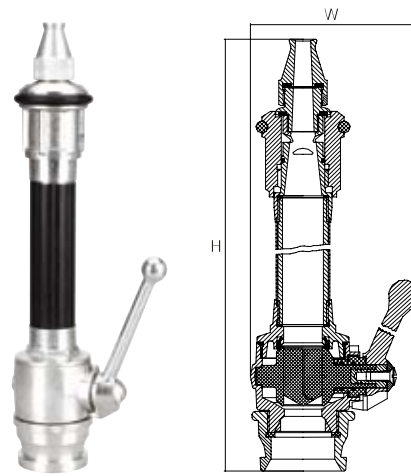
**Jet/Spray Branchpipe**



**KX07-127B-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN50	407	165	G 2"	9mm
CM	440	165	Storz-C	9mm
DN65	440	165	BS336	12.5mm

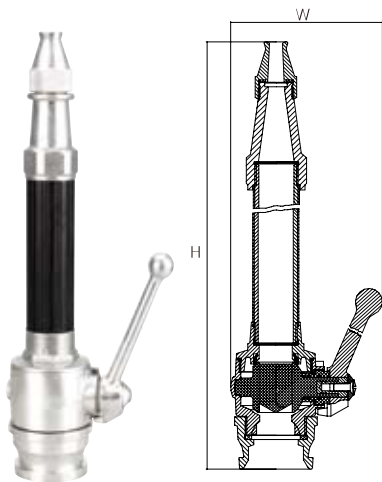
**Jet/Spray Branchpipe with Water Curtain**



**KX07-127A-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN50	405	165	G 2"	9mm
CMM	440	165	Storz-C	9mm
DN65	440	165	BS336	12.5mm

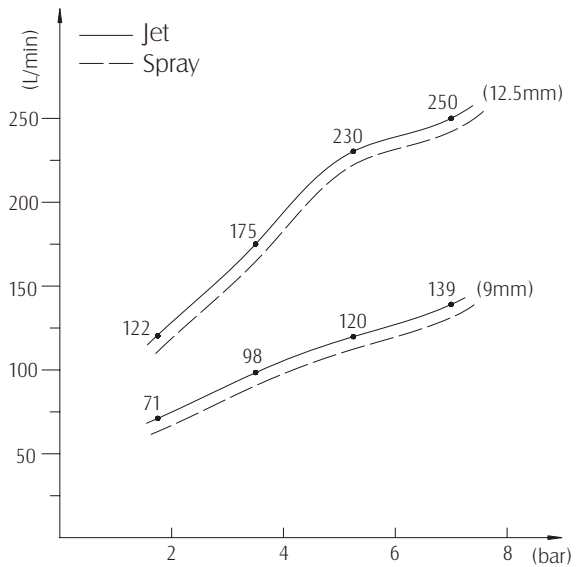
**Jet/Spray Branchpipe**



**KX07-127C-00**

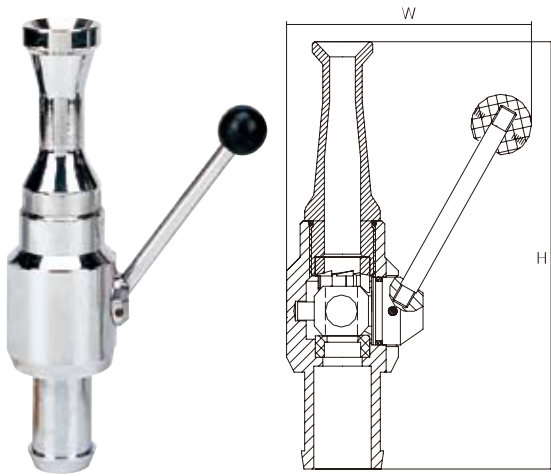
Size	H(mm)	W(mm)	Inlet	Outlet
DN50	390	165	G 2"	9mm
CMM	415	165	Storz-C	9mm
DN65	415	165	BS336	12.5mm

**KX07-127A/B/C-00 Branchpipe Flow Rates**



Standard: Certificate to BS 336  
 Licence No: KM583674 (approve by BSI)  
 Aluminium alloy to BS 1490  
 Ball valve control  
 Water curtain angle  $\geq 180^\circ$

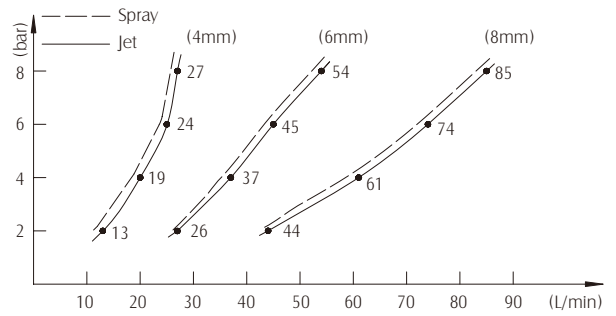
**Spray/Jet Nozzle**



**KX07-034-00**

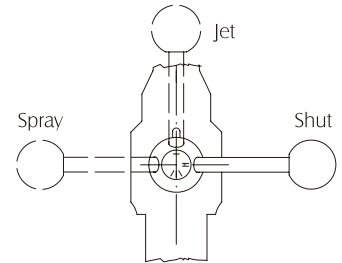
Size	H(mm)	W(mm)	Inlet	Outlet
DN13	141	79	13mm	D 4
DN19	141	79	19mm	D 6
DN25	141	79	25mm	D 8

**Fire Hose Reel Nozzle Flow Rates**

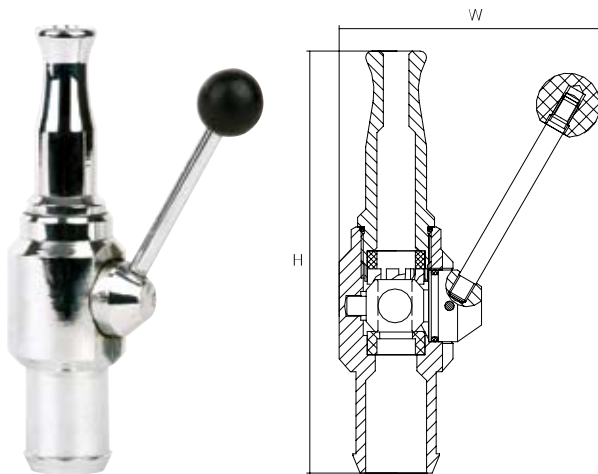


**KX07-034-00**

Lever operated  
 Operating torque  $\leq 4\text{N}\cdot\text{M}$   
 Jet throw range  $\geq 10\text{M}$   
 Spray discharge  $\geq 45^\circ$   
 WP: 12bar  
 TP: 18bar



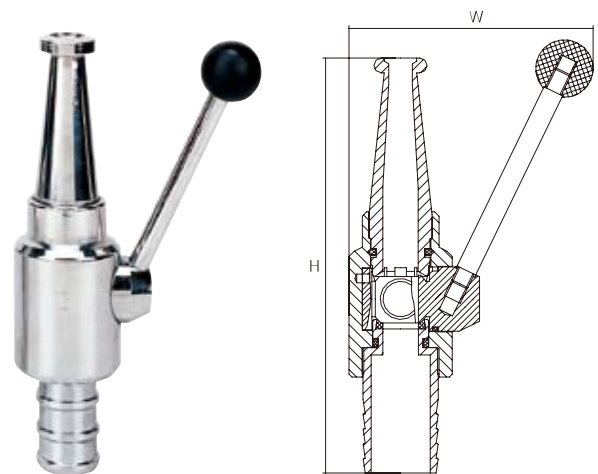
**Spray/Jet Nozzle**



**KX07-019E-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN13	132	78	13mm	D 4
DN19	132	78	19mm	D 6
DN25	132	78	25mm	D 8

**Spray/Jet Nozzle**

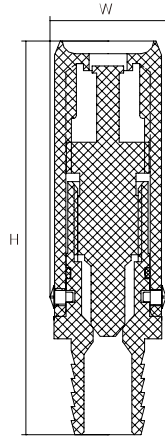


**KX07-045-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN13	132	82	13mm	D 4
DN19	141	83	19mm	D 6
DN25	141	83	25mm	D 8

Jet&Spray Nozzle

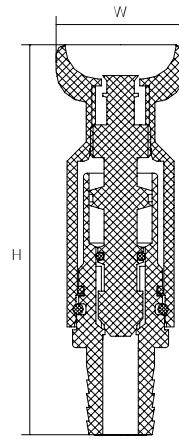
Jet/Spray Nozzle



**KX07-015-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	140	41	19mm	D 6
DN19	140	41	19mm	D 8
DN25	140	41	25mm	D 8
DN25	140	41	25mm	D 10

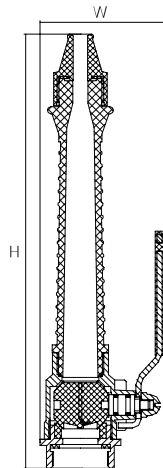
Jet/Spray Nozzle



**KX07-014-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	145	47	19mm	D 6
DN19	145	47	19mm	D 8
DN25	145	47	25mm	D 8
DN25	145	47	25mm	D 10

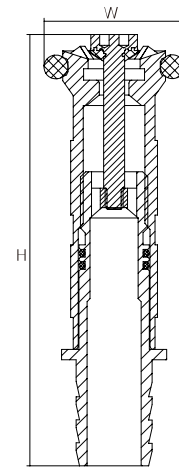
Branchpipe



**KX07-052-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN25	249	135	1"BSP	4mm
DN25	249	135	1"NST	4mm

Jet/Spray Nozzle

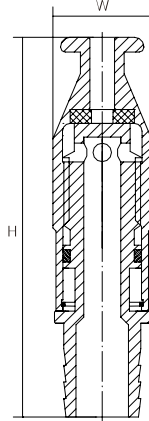


**KX07-024-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	141	47	19mm	D 8
DN25	141	47	25mm	D 10

Jet&Spray Nozzle

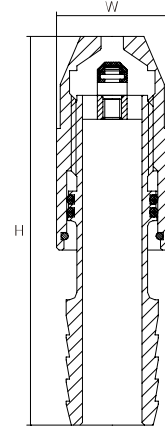
Jet Nozzle



**KX07-021-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	124	32	19mm	D 6
DN25	124	32	25mm	D 8

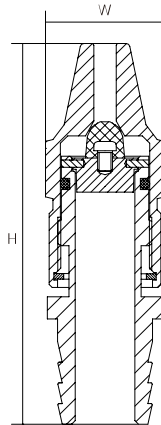
Jet Nozzle



**KX07-037-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	106	30	19mm	D 6
DN25	106	30	25mm	D 8

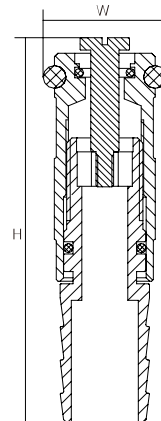
Jet Nozzle



**KX07-038-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	101	32	19mm	D 6
DN25	101	32	25mm	D 8

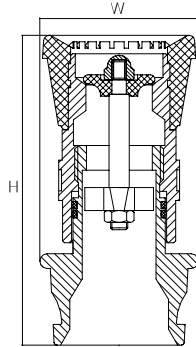
Jet/Spray Nozzle



**KX07-039-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	110	35	19mm	D 6
DN25	110	35	25mm	D 8

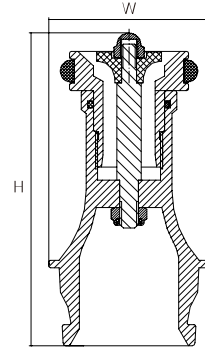
**Jet/Spray Nozzle**



**KX07-053-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN65	170	86	BS336	20mm
DN65	170	86	BS336	25mm

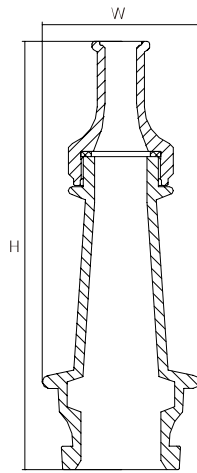
**Jet/Spray Nozzle**



**KX07-118-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN65	168	86	BS336	15mm
DN65	168	86	BS336	20mm

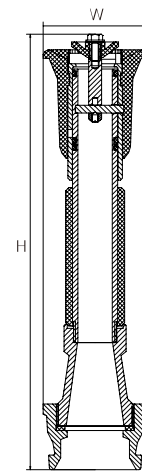
**Branchpipe**



**KX07-005-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN40	164	60	1.5*BS	12.5mm
DN65	275	85	BS336	12.5mm
DN65	275	85	BS336	15mm
DN65	275	85	BS336	20mm

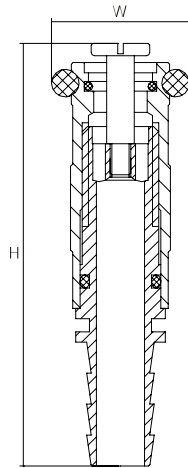
**Jet/Spray Branchpipe**



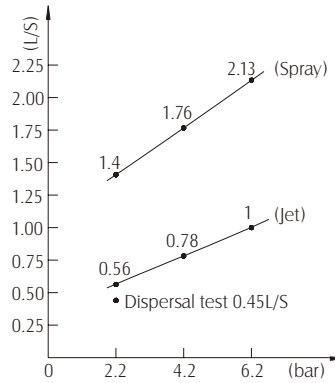
**KX07-084-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN50	286	80	G 2"	16mm
DN50	338	100	Storz-C	16mm
DN65	332	80	BS336	20mm

Jet/Spray Nozzle



Fire Hose Reel Nozzle Flow Rates



**KX07-029-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	122	40	19mm	6mm
DN25	122	40	25mm	8mm

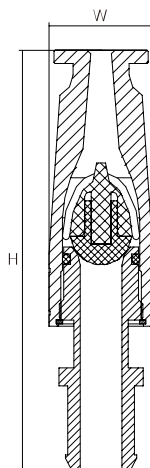
**KX07-029-00**

Twist nozzle  
Off-jet-spray  
Spray angle  $\geq 90^\circ$   
Opened torque  $\leq 2N \cdot M$   
Grip length  $\geq 70mm$

**KX07-020-00**

Lever nozzle  
Off-Jet  
Opened by force  $\leq 50N$   
Lever length  $70 \leq X \leq 120mm$   
Clearance  $\geq 25mm$

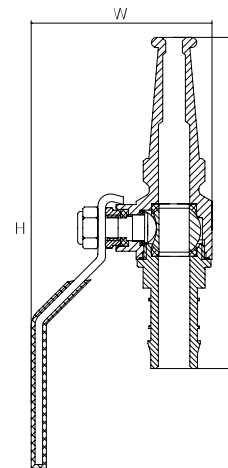
Jet Nozzle



**KX07-025-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	123	32	19mm	6mm
DN19	123	32	19mm	8mm
DN25	123	32	25mm	8mm

Jet/Spray Nozzle



**KX07-020-00**

Size	H(mm)	W(mm)	Inlet	Outlet
DN19	171	72	19mm	6mm
DN25	171	72	25mm	8mm



# Fireman Suit

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CE



## Description

Outer shell: NOMEXIIIA

Moisture barrier: aramid spuniace substrate with PTFE membrane

Thermal lining: aramid felt

Comfortable layer:aramid/viscose woven fabric

Color: Black ,Navy blue, Red, Orange, Yellow

Standard: EN 469:2005+A1:2006

# Stand Alone Smoke Detector



Model DT-S01

### Main Features

- ◆ Photoelectric sensing technology
- ◆ Easy installation and maintenance
- ◆ Sleek low-profile housing design
- ◆ Low-battery warning
- ◆ Test button verifies battery and alarm operation



Model: DT-S02

### Specification:

- Smoke Sensitivity: 0.086 dB/m to 0.14 dB/m
- Power Supply: 9V
- Battery Life: >12months
- Low battery life: >30days
- Alarm indicator: continuously red light and sounder
- Alarm sound level: >85dB at 10 feet(3m)
- Temperature: 0°C - 50°C
- Humidity: 10% - 90%RH, no condensation or icing
- Dimensions: DT-S01/DT-S02:  $\phi$  107\*35mm  
DT-S03:  $\phi$  130\*40mm



Model: DT-S03