

**FIRE  
FIGHTING  
EQUIPMENT**



**YOOKSONG**  
**PRODUCT CATALOGUE**



**30<sup>th</sup>**  
YOOKSONG 30th Anniversary



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## Greetings

We, YOOKSONG Inc., are firefighting equipment manufacturer company since 1990.

We give our full efforts to make best equipment to secure life for both citizens and firefighters.

As a leading company of fire industry in Republic of Korea the value creation, responsibility, and open-minded investment are the mottos of a company. Moreover, we put constant efforts and investments to our items, so the company will be able to produce world's top-quality products.

Under the company's main value, "Challenge" and "Progress", we promise to our customers we will always provide best quality and eco-friendly firefighting products.

Thank you.



## THE HISTORY OF YOOKSONG



- 2000** 03 Get UL and ULC license (Butterfly Valve)
- 2002** 04 Received Gyeonggi-do governor citation
- 2003** 06 Received Korea institute of fire industry citation
- 2004** 02 R&D Department established
- 2005** 06 Received Safety and Security Minister citation
- 2006** 02 Get Venture business license
  - 10 Licensed Eco-friendly company
- 2007** 12 Licensed Innovation company



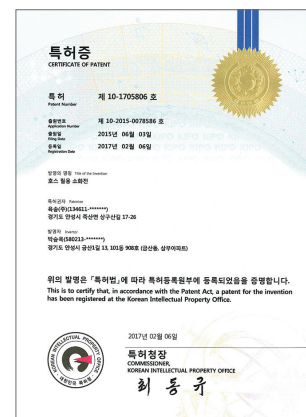
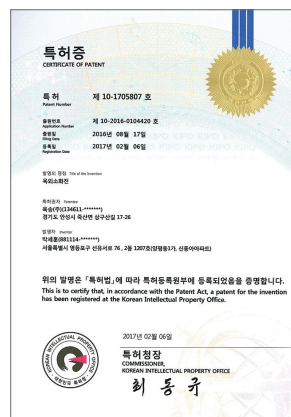
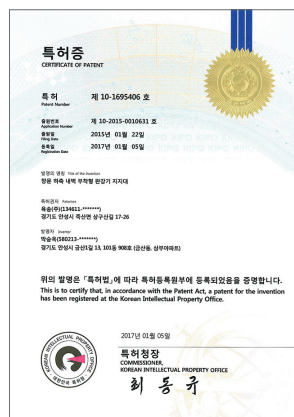
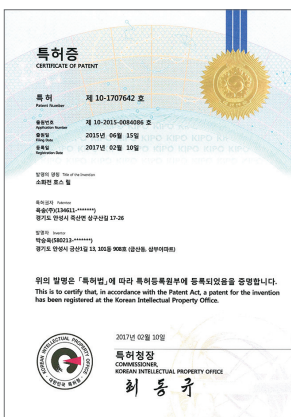
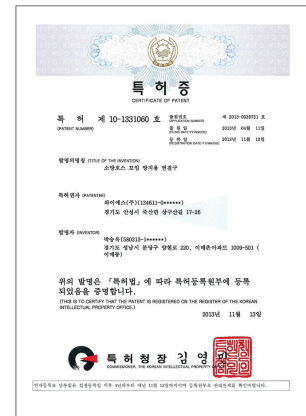
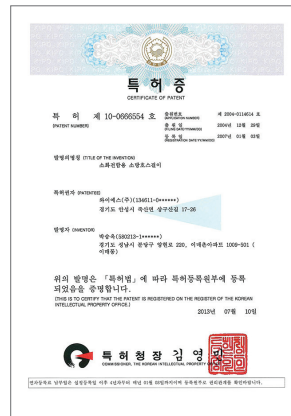
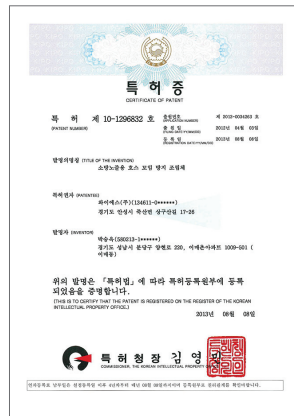
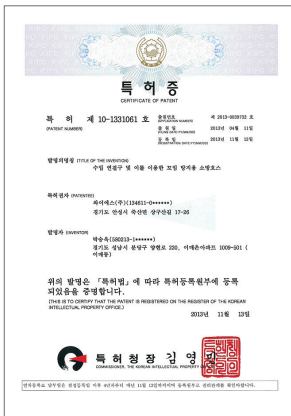
- 1990** 09 YOOKSONG Established
- 1995** 10 Factory Constructed
- 1996** 04 Factory Registered
  - 07 Get license for industrial fabrication
- 1998** 11 Convention with Korea army
- 1999** 04 Export promising company selected
  - 05 Trade business registered
  - 07 Get ISO 9002



- 2011** 09 Received Prime minister citation
- 2013** 05 Get ISO 9001
  - 09 Constructed a fifth factory
- 2016** 11 Selected Excellent technology assessment company
  - 12 Selected Main-Biz (Management innovation company)
  - 12 Received Gyeonggi-do governor citation
  - 03 Selected Venture company
- 2017** 04 Fire engineering R&D (KFI)
  - 06 Manufacture lever up business (Gyeonggi-do)
  - 08 Constructed a 6th factory
- 2018** 04 Awarded the 10th Korea Fire Industry Awards (Recoilless Pistol Nozzle)
  - 12 Certificated of Authentication (Gyeonggi Province)
- 2019** 10 NEP certified. (New Excellent Product) (Anti-twist fire hose)
  - 12 Procurement Excellence Product (Anti-twist fire hose)

# Present condition of Patent registered

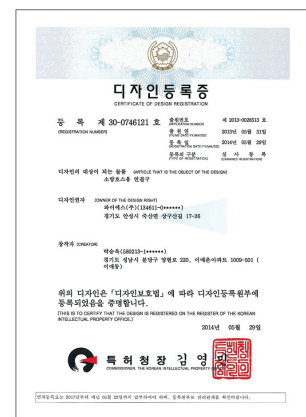
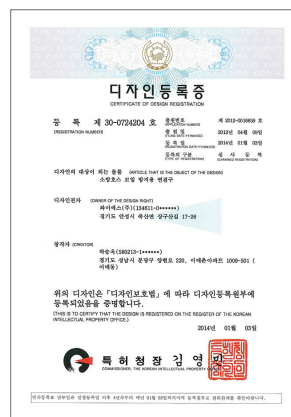
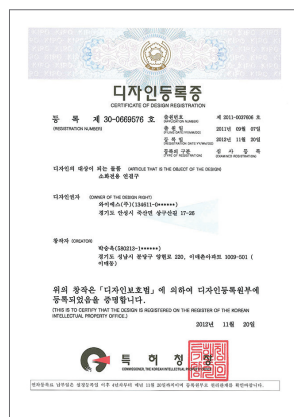
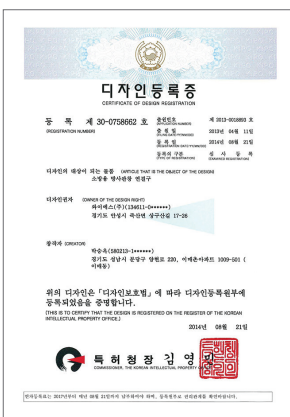
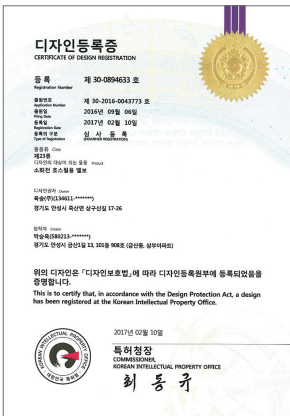
2005. 06. 03	Disilled water non-spray fire extinguishing device using the nitrogen gas
2006. 07. 04	Fire hose hager of fire hydrant cabinet
2007. 07. 31	Fire hose reel apparatus for hydrant
2012. 06. 07	hydroplan open and shut apparatus and multi purpose pistol nozzle
2013. 08. 08	Anti-twist swivel assembly of nozzle apparatus for fire hose
2013. 11. 13	Water input coupling and torsion-preventive fire hose
2013. 11. 13	Coupling for anti-twist swivel fire hose
2015. 01. 12	Elbow for fire hose reel apparatus
2015. 12. 09	Elbow for fire hose reel apparatus
2015. 12. 18	Jig for cutting and elbow for fire hose reel apparatus
2016. 08. 01	Supporter for descending life line
2017. 02. 06	Fire hydrant for hose-reel
2017. 02. 06	Outdoor fire hydrant cap cover
2017. 02. 10	Hose-reel with pressure gauge
2017. 02. 20	Fire hydrant for hose-reel with pressure gauge
2017. 08. 25	Emergency fire hose-reel system
2017. 09. 14	Repulsive Fire nozzle
2017. 09. 07	Fire cabinet for column
2017. 10. 20	Blind rivet type hose reel
2017. 11. 08	Descending life line cabinet
2018. 02. 01	Ratchet gear for Hose-reel
2018. 04. 16	Super long arm hanger
2018. 09. 06	Automatically rewind fire hose reel
2018. 11. 05	Non-reaction pistol nozzle
2018. 12. 14	Hose-reel that can attached and desorption
2019. 11. 25	Automatic fire extinguishing device





# Present condition of Design patent

2010. 05. 12	Hose reel
2012. 11. 20	Hydrant connector
2014. 01. 03	Anti-twist swivel fire hose connector
2014. 05. 28	Hose reel hanger for fire hydrant
2014. 05. 29	Fire hose connector
2014. 08. 21	Fog nozzle connector
2014. 10. 14	Check Valve for fire hose connection
2016. 05. 04	Hose reel for indoor hydrant
2016. 03. 23	Bobbin for hose reel
2016. 09. 13	Descending life line case
2016. 11. 16	Recoilless fire nozzle
2017. 01. 15	Hose stopper for hose-reel
2017. 02. 06	Outdoor hydrant cap cover
2017. 02. 10	Elbow for fire hose-reel
2017. 02. 20	Sticker for hose-reel
2017. 06. 05	Stopper for Hose-reel
2017. 12. 28	Anti-twist fire hose coupling
2018. 01. 04	Anti-twist fire hose coupling
2018. 01. 04	Anti-twist fire hose ring applied type
2018. 02. 01	Ratchet gear for Hose-reel
2018. 03. 12	Ratchet gear for Hose-reel
2018. 08. 31	Non-reaction pistol nozzle
2018. 10. 15	Pistol nozzle barrell
2018. 10. 15	Pistol nozzle barrell
2018. 10. 15	Pistol nozzle barrell
2018. 10. 15	Foam nozzle orifice
2018. 11. 16	Fire hose coupling
2018. 11. 20	Ellipse Hose-reel
2018. 11. 26	Fire hose coupling
2018. 11. 26	Fire hose coupling





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Fire Nozzle

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Non-Reaction Pistol Nozzle  
Multi-Purpose Pistol Nozzle  
Anti-Twist Swivel Fire Nozzle  
Water Nozzle  
Straight Type Nozzle  
Air Foam Nozzle (Straight Type)  
Medium Expansion Foam Nozzle

**2. Handline Nozzle**

Straight Type Nozzle  
Fog & Straight Type Nozzle

**3. Special Nozzle**

Cellar Nozzle (Free rotation Nozzle)

**4. Nozzle for Maritime**

Pistol Nozzle for Maritime  
Straight Type Nozzle for Maritime  
Multipurpose Nozzle for Maritime  
Applicator Nozzle for Maritime

Fire Hose

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Anti-Twist Fire Hose  
Fire Hose  
Anti-Twist Fire Hose (For Maritime)  
Fire Hose for Maritime  
Fire Reel-Hose (25/32 (mm)) / 1" Fire Hose  
Hose Rack

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Hose-Reel Drum Set  
Components of Hose-Reel  
Moveable Fire Tank System

Hose Reel Cabinet

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Basic Type  
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Included Portable Fire Extinguisher  
Included 2-1/2"(65 mm) Hoses & Portable Fire Extinguisher (Type A)  
Non Framed Hose Reel Cabinet  
Outdoor Fire Cabinet

Simple Hose and  
Nozzle Cabinet

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Simple hose box  
Simple fire extinguisher box  
Fire escape emergency goods box  
First Aid kit box



Outdoor Fire Hydrant	<b>40</b>	4" Outdoor Hydrant 4" Underground Hydrant 6" Outdoor Hydrant (Kennedy) 6" Outdoor Hydrant (Darling) Post Indicator Valve Wet-type Hydrant Post Indicator Valve
Fire Monitor	<b>49</b>	Ball-Valve Assembled Type & Gear Type Basic Lever Type & Fire Monitor Elbow
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Foam Equipment	<b>62</b>	Foam Hydrant Cabinet Line Proportioner Foam Liquid Tank Mobile Foam Trailer (Monitor Attached) TYPE -- B Mobile Foam Unit (200 L) Foam Liquid (AFFF / AR-AFFF [3%, 6%]) Foam Liquid (Alcohol 3%)
High Pressure Fire Fighting Equipment	<b>70</b>	High Pressure Fire Hose High Pressure Y-Coupling (2-Way Ball Valve) High Pressure Y-Coupling (3-Way Ball Valve) Anti-Twist Fire Nozzle High Pressure Intermediate Coupling (Rotation Type) High Pressure Check Valve Special A-Frame
Portable Fire Extinguisher	<b>75</b>	HALOTRON-1 Portable Fire Extinguisher 2.5/3.3 kg ABC Dry Chemical Fire Extinguisher
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Fire Pump Accessories	<b>82</b>	Water Hammer Arrester (Bladder type) (KFI) Water Hammer Arrester Flow Meter (For Fire Piping) Electric Pressure Switch Water Spray Nozzle (Spiral Type)
Small Space Automatic Fire Suppression System	<b>89</b>	Small Space Automatic Fire Suppression System Water Spray Nozzle (Spiral Type)
Special Fire Equipment	<b>92</b>	Hydrant Wrench Fire Hose Wrench Emergency Hammer Sight Glass Pick-up Hose

# FIRE NOZZLE



## 1. Handline Nozzle

Non-Reaction Pistol Nozzle  
Multi-Purpose Pistol Nozzle  
Anti-Twist Swivel Fire Nozzle  
Water Nozzle  
Straight Type Nozzle  
Water Nozzle (Large Flow rate)  
Air Foam Nozzle (Straight Type)  
Medium Expansion Foam Nozzle

## 2. Monitor Nozzle

Straight Type Nozzle  
Fog & Straight Type Nozzle

## 3. Special Nozzle

Cellar Nozzle (Free rotation Nozzle)

## 4. Nozzle for Maritime

Pistol Nozzle for Maritime  
Straight Type Nozzle for Maritime  
Multipurpose Nozzle for Maritime  
Applicator Nozzle for Maritime



# FIRE NOZZLE

## ① Handline Nozzle

### ■ Non-Reaction Pistol Nozzle

This non-reaction pistol automatically self-regulates the recoil from water pressure. And because of the self-regulation, it performs excellent shooting function. The pistol also contains excellent smoke control feature which makes this product to be more useful for firefighters to use in operation situations.

- Approval for reduces reaction force (Kangwon-University)
- Awarded 2018 Korea fire industry award
- Patented Product (Korea, and worldwide)

#### Difference from the past products:

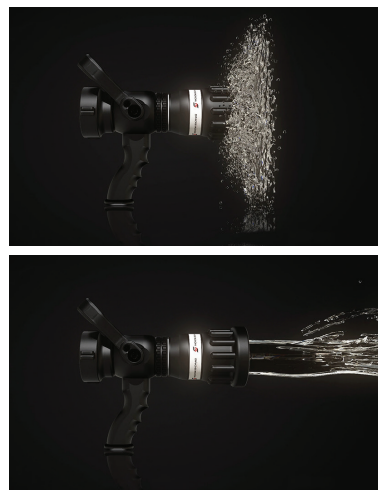
- In fire suppression situation, the product helps user to prevent falling off of physical strength.
- Excellent in safety accident prevention.
- Useful in ultra-high-water pressure needed situation.



YHN-R40 (40A)



YHN-R65 (65A)



BS336, NH, QUICK, GOST Couplings applicable

## SPECIFICATIONS

SIZE	FE40 (1½")	FE65(2½")
SHOOTING RANGE (0.7 MPa)	Over 50 m	
FLOW RATE (0.7 MPa)	Over 450 L/min	Over 945 L/min
LENGTH (mm)	245	294
WEIGHT (kg)	1.8	3.2
MATERIAL	AL-ALLOY	
APPROVAL	KFI / FM (Approval proceeding)	
FUNCTION	Reduces reaction force, Large flow rates, Smoke elimination, Anti-twsit coupling	

## FIRE NOZZLE

### ■ Multi-Purpose Pistol Nozzle

Multi-purpose pistol nozzle is the product designed on the basis of different nozzle product features. The basic nozzle only had straight, fog-spray mode, and water-flow control system, but multi-purpose pistol nozzle includes all above three functions + water-screen and smoke-control features. Water screen mode is to protect firefighters from the fire and this new function can be used while shooting the water at the same time. And a weight of multi-purpose pistol nozzle is very light, even though multiple functions are included.

- Awarded 2011 Korea fire industry awards (Prime minister prize)
- Patented product (Korea)

#### Specificity

- High-intensity plastic grip
- Made with aluminum alloy
- High durability



### MODEL

ABOUT	A-TYPE	B-TYPE	C-TYPE	D-TYPE
FE40(1½")	YHN-MP40A	YHN-MP40B	YHN-MP40C	YHN-MP40D
FE65(2½")	YHN-MP65A	YHN-MP65B	YHN-MP65C	YHN-MP65D

### SPECIFICATIONS

SIZE	FE40 (1½")	FE65(2½")
SHOOTING RANGE (0.7 MPa)	Over 45 m	
FLOW RATE (0.7 MPa)	180~240~350~500 (L/min)	650~750~870~1050 (L/min)
LENGTH (mm)	A : 275	A : 350
	B : 270	B : 310
	C : 275	C : 310
	D : 330	D : 367
WEIGHT (kg)	A : 1.54	A : 1.91
	B : 1.44	B : 1.89
	C : 1.87	C : 2.16
	D : 2.1	D : 2.51
MATERIAL	AL-ALLOY	
APPROVAL	KFI / FM (Approval proceeding)	



## FIRE NOZZLE



**A-Type**

Straight shooting +  
Water screen



**B-Type**

Straight + Fog  
shooting



**C-Type**

Straight & Fog shooting  
+ Smoke elimination +  
Flow control valve



**D-Type**

Straight & Fog shooting +  
Smoke elimination + Flow  
control valve + Water screen



### ■ Anti-Twist Swivel Fire Nozzle

Basic feature is same as ordinary water nozzle such as straight and fog-spray modes, but this product contains special function. When it connects to fire hose, it prevents twist phenomenon. This nozzle has anti-twist function and can be used in special situation, for example, it could be useful to put out forest fire.

• Patented product (Korea)



**YHN-AT25 (25A)**



**YHN-AT40 (40A)**

### SPECIFICATIONS

SIZE	FE25 (1")	FE40(1½")
FLOW RATE (0.7 MPa)	Over 310 L/min	Over 320 L/min
LENGTH (mm)	130	194
WEIGHT (kg)	0.36	0.7
MATERIAL	AL-ALLOY	
APPROVAL	KFI	

## FIRE NOZZLE

### ■ Water Nozzle

In fire, these nozzles are connected to a fire hose to use either straight or spray mode. Especially, when a nozzle is used for fog-spray mode, it is able to block radiant heat to protect user against fire. These nozzles are excellent to extinguish fire and after use these products show outstanding cooling effect.



**YHN-W25**



**YHN-W40A**



**YHN-W65A**



**YHN-W40B**



**YHN-W65B**

MODEL	CONN. SIZE	FLOW RATE (0.35 MPa)	DISCHARGE TYPE	TEST PRESSURE	LENGTH (mm)	WEIGHT (KG)	MATERIAL	REMARK	APPROVAL
YHN-W25	FE25	180 L/min	FOG & STRAIGHT	2.0 MPa	105	0.29	AL-ALLOY	REEL-HOSE	KFI
YHN-W40A	FE40	180 L/min			115	0.21	AL-ALLOY	HYDRANT	
YHN-W65A	FE65	430 L/min			137	0.38	AL-ALLOY	HYDRANT	
YHN-W40B	FE40	180 L/min			135	0.58	BRONZE	HYDRANT	
YHN-W65B	FE65	400 L/min			165	1.20	BRONZE	HYDRANT	

### ■ Straight Type Nozzle

The standardized model nozzle where it connects to a fire hose to spray water in straight direction.



**YHN-S40B**



**YHN-S65B**

### ■ Water Nozzle (Large Flow rate)

Water nozzle for plant industry and fire fighters, because of the large flow-rates



**YHN-FT40B**



**YHN-FT65B**

MODEL	CONN. SIZE	FLOW RATE (0.3 MPa)	DISCHARGE TYPE	TEST PRESSURE	LENGTH (m/m)	WEIGHT (KG)	MATERIAL	REMARK	APPROVAL
YHN-S40B	FE40	170 L/min	STRAIGHT	2.0 MPa	254	0.8	BRONZE	HYDRANT	KFI
YHN-S65B	FE65	280 L/min	STRAIGHT	2.0 MPa	305	1.87	BRONZE	HYDRANT	
YHN-FT40B	FE40	400 L/min	FOG & STRAIGHT	2.0 MPa	138	1.3	BRONZE	FIRE TRUCK	KFI
YHN-FT65B	FE65	800 L/min	FOG & STRAIGHT	2.0 MPa	156	2.0	BRONZE	FIRE TRUCK	

## FIRE NOZZLE

### ■ Air Foam Nozzle (Straight Type)

It is useful for oil and gas fire situation. A foam fire extinguishing agent gets mix with air to create special foam and then used for fire suppression. There are two different types to use this product, there are non-pick-up and pick-up type.

Non-pick-up type: Does not have to connect foam fire extinguishing agent

Pick-up type: must connect foam fire extinguishing agent suction area to use it

This item is normally used in dangerous material storage, outdoor petrol tank, liquefied gas storage, aircraft shelter, and a chemical plant.



Foam concentrate 3 % (Standard)

If necessary, Non-pick up type can be manufacture



**YHN-F40**  
**YHN-F40P (Pick-up Type)**



**YHN-F65P1 (Pick-up Type) / 901 (mm)**  
**YHN-F65P2 (Pick-up Type) / 700 (mm)**



**Pick-up hose connect**

### SPECIFICATIONS

SIZE	FE40 (1½")	FE65(2½")
SHOOTING RANGE (0.7 MPa)	Over 30 m	Over 38 m
FLOW RATE (0.3 MPa)	Over 180 L/min	Over 400 L/min
LENGTH (mm)	600	700 / 901
WEIGHT (kg)	1.2	2.9 / 3.3
MATERIAL	AL-ALLOY	
APPROVAL	KFI	



## FIRE NOZZLE

### Medium Expansion Foam Nozzle

A feature would be same as air foam nozzle, but specialty for this product would be it creates fifty times more of foam compare to air foam nozzle. This newly product is equipped with orifice and screen to decrease the weight of existing product, and also it only requires small amount of foam fire extinguishing agent where it makes user to put out the fire faster.



YHN-MF40 (40A)



YHN-MF65 (65A)

### SPECIFICATIONS

SIZE	FE40 (1½")	FE65(2½")
FLOW RATE (0.7 MPa)	Over 250 L/min	Over 400 L/min
LENGTH (mm)	502	687
WEIGHT (kg)	3.2 kg	4.6 kg
MATERIAL	Stainless Steel + Al-alloy	
FOAM SCALE(발포배율)	More than 50 times	

## FIRE NOZZLE

### ② Monitor Nozzle

#### ■ Straight Type Nozzle

This monitor nozzle (straight type) are for to connect to use in fire hydrants or firefighting monitor that are installed in a fire truck. It is able to control water vortex when a water passes through the tube line. And because of the control system when user shoots water, line forms straight instead of spreading out.

- It shoots long range while water forms straight line instead of spreading out
- Different nozzle-tip gives different water-flow rate and shooting range



YMN-D65



YNT-B(20~41)

#### SPECIFICATIONS

MODEL	SIZE	FLOW RATE(L/min)	SHOOTING R.(m)	LENGTH	APPROVAL
YMN-D65	FE65(2½")	690 ~ 2904	50 m (Tip 23)	610 (mm)	KFI

Shooting Pressure Standard - 0.7 MPa								
SIZE	Ø 20	Ø 23	Ø 26	Ø 29	Ø 32	Ø 38	Ø 40	Ø 41
FLOW RATE	690	900	1130	1400	1770	2490	2764	2904

## FIRE NOZZLE

### ■ Fog & Straight Type Nozzle

It is suitable nozzle to connect and use in fire hydrants or firefighting monitor installed in a fire truck. A quality of product is made with bronze, so a product itself has high corrosion resistance.

- Be able to shoot long range
- Be able to support large amount of water
- Outstanding smooth transition



YMN-J65

### SPECIFICATIONS

CONN. SIZE	FLOW RATE (0.7 MPa)	DISCHARGE TYPE	USEABLE LIQUID	TEST PRESSURE	SHOOTING RANGE	MATERIAL	APPROVAL
FE65	1,420 l/min	FOG & STRAIGHT	WATER	2.0 MPa	Approx. 60 m (0.7 MPa)	BRONZE	KFI



YMN-J65F

\* For foam concentrate water

### SPECIFICATIONS

CONN. SIZE	FLOW RATE (0.7 MPa)	DISCHARGE TYPE	USEABLE LIQUID	TEST PRESSURE	SHOOTING RANGE	MATERIAL	APPROVAL
FE65	1,420 l/min	FOG & STRAIGHT	WATER & FOAM	2.0 MPa	Approx. 60 m (0.7 MPa)	BRONZE	KFI



## FIRE NOZZLE

### ③ Special Nozzle

#### ■ Cellar Nozzle (Free rotation Nozzle)

This product is used for the situation when people or firefighters cannot go inside of building due to a fire. Since the power of water pressure is strong, it automatically spins around to 360-degree to shoot water.

- Especially, in flash over case, it is superior to put out the fire and to lower the temperature
- Protection net, protects speical nozzle that makes user able to throw the product without any burden.



Cellar Nozzle Body



Protection net

### SPECIFICATIONS

MODEL	SIZE	FLOW RATE(0.7 MPa)	WEIGHT(kg)	MATERIAL
YSN-CL	FE65(2½")	300 GPM	3.2 kg	Bronze (Body) / SS400 (Protection net)

### OPTION



Pistol Ball valve (Non-Pistol Available)



Protection net

## FIRE NOZZLE

### 4 Nozzle for Maritime

#### ■ Pistol Nozzle for Maritime

It is a product developed by the rigid product standards of the ROK Navy and boasts very strong and excellent water shooting performance. It has anti-twist function, and possible to shooting foam concentrate water.

- Automatic pressure control



YHN-SP40

#### SPECIFICATIONS

MODEL	SIZE	FLOW RATE (0.7 MPa)	MATERIAL	APPROVAL
YHN-SP40	NPSH1½"	450 L/min	BRONZE	ROK Navy FILK

#### ■ Straight Type Nozzle for Maritime

It is basic nozzle made with bronze material to use for ship fire

- High corrosion resistance
- High durability



YHN-SD40



YHN-SD65

#### SPECIFICATIONS

MODEL	SIZE	FLOW RATE (0.7 MPa)	MATERIAL	APPROVAL
YHN-SD40	NPSH1½"	350 L/min	BRONZE	ROK Navy
YHN-SD65	NH2½"	600 L/min		

## FIRE NOZZLE

### ■ Multipurpose Nozzle for Maritime

This multipurpose nozzle is for marine use. It provides special function such as product can be used both straight & fog-spray mode at the same time or separately. Moreover, it is excellent to use with applicator nozzle to extinguish fire such as cabin, and engine room



**YHN-SM40 (40A)**



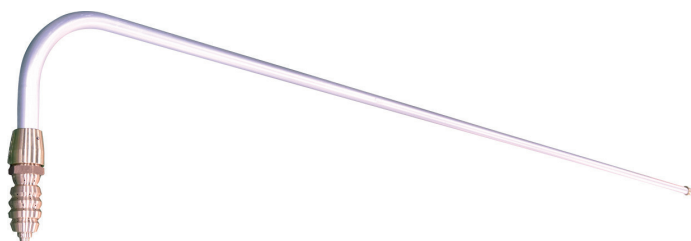
**YHN-SM65 (65A)**

### SPECIFICATIONS

MODEL	SIZE	FLOW RATE (0.7 MPa)	LENGTH	WEIGHT	MATERIAL
YHN-SM40 (40A)	NPSH 1½"	300 l /min	155 mm	3 kg	BRONZE
YHN-SM65 (65A)	NH 2½"	757 l /min	254 mm	5,5 kg	

### ■ Applicator Nozzle for Maritime

It is used either with nozzle tip or multipurpose nozzle for maritime. Specially, if applicator is connected with tip, water spreads out to cover wide space and this effect is excellent to extinguish fire in engine room.



### SPECIFICATIONS

MODEL	SIZE	ANGLE	FLOWRATE (0.7 MPa)	LENGTH(mm)	WEIGHT(kg)	MATERIAL
YHN-SA40	1-1/2"	45°/ 90°	510 LPM	3,780	7.7	BRONZE
YHN-SA65	2-1/2"					

\* Length is by custom order



# FIRE HOSE



Anti-Twist Fire Hose

Fire Hose

Anti-Twist Fire Hose (For Maritime)

Fire Hose for Maritime

Fire Reel-Hose (25/32 (mm)) / 1" Fire Hose

Hose Rack

# FIRE HOSE

## ■ Anti-Twist Fire Hose

Anti-twist swivel fire hose is totally different compare to original fire hose. When anti-twist fire hose is connected with water valve, a hose automatically spins around itself because of water pressure and this prevents twist phenomenon.

- It saves time because user do not have to worry about twist phenomenon
- It prevents accident for user
- In operation situation, firefighters can operate faster and easier
- With attached axial light and reflective sheet, product can be identified easily to people in any situation, (ex. Smoke room or night time)
- Patented Product (Korea)



**SINGLE JACKET**



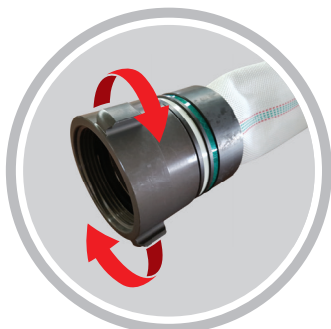
**DOUBLE JACKET**

## SPECIFICATIONS

TYPE	MODEL	SIZE	PRESSURE (bar)	MATERIAL	HOSE COUPLING	APPROVAL
SINGLE JACKET HOSE	YFH-S40AT	40A	Custom order (7 bar / 9 bar / 10 bar / 13 bar / 16 bar)	JACKET : POLYESTER FILAMENT YARN POLYESTER NYLON YARN LINING : PVC / EPDM / PU COUPLING : AL-ALLOY / BRONZE	FE / NH / NPSH	KFI
	YFH-S50AT	50A				
	YFH-S65AT	65A				
	YFH-S75AT	75A				

TYPE	MODEL	SIZE	PRESSURE (bar)	MATERIAL	HOSE COUPLING	APPROVAL
DOUBLE JACKET HOSE	YFH-D40AT	40A	20 bar	JACKET : POLYESTER FILAMENT YARN POLYESTER NYLON YARN LINING : PVC / EPDM / PU COUPLING : AL-ALLOY / BRONZE	FE / NH / NPSH	KFI
	YFH-D50AT	50A				
	YFH-D65AT	65A				
	YFH-D75AT	75A				

## SWIVEL EXAMPLE



## FIRE HOSE

### ■ Fire Hose

Our regular fire hose jackets are made with two different structure. One-way of jacket structure is plain weave and the other is twill weave. Moreover, inside of fire hose is made with polyurethane which gives our fire hose to have excellent wear resistance, chemical resistance, ozone resistance, and weatherproof.

Standard building, apartment, or condominium usually requires singular jacket and chemical plant, oil plant, plant factory, fire truck, etc., usually requires double jacket fire hose.

- This hose also can be used in agricultural or civil engineering since it is better compared to standard hose made with PVC.



YFH-S40 / YFH-S65



YFH-D40 / YFH-D65

### SPECIFICATIONS

TYPE	MODEL	SIZE	PRESSURE (bar)	MATERIAL	HOSE COUPLING
SINGLE JACKET HOSE	YFH-S40	40A	Custom order (7 bar / 9 bar / 10 bar / 13 bar / 16 bar)	<b>JACKET</b> : POLYESTER FILAMENT YARN POLYESTER NYLON YARN <b>LINING</b> : PVC / EPDM / PU <b>COUPLING</b> : AL-ALLOY / BRONZE	FE / NH / NPSH / BS336 / GOST / QUICK
	YFH-S50	50A			
	YFH-S65	65A			
	YFH-S75	75A			

TYPE	MODEL	SIZE	PRESSURE (bar)	MATERIAL	HOSE COUPLING
DOUBLE JACKET HOSE	YFH-D40AT	40A	20 bar	<b>JACKET</b> : POLYESTER FILAMENT YARN POLYESTER NYLON YARN <b>LINING</b> : PVC / EPDM / PU <b>COUPLING</b> : AL-ALLOY / BRONZE	FE / NH / NPSH / BS336 / GOST / QUICK
	YFH-D50AT	50A			
	YFH-D65AT	65A			
	YFH-D75AT	75A			

\* Coupling style : NH, NPSH, CAP-LOCK, BS336, GOST, QUICK (NAKAJIMA)



# FIRE HOSE

## ■ Anti-Twist Fire Hose (Firefighters and Marine)

This product functions are basically same as other anti-twist fire hose, but since a fire hose is for marine use a material is bit of different compare to ground ones. We have attached high corrosion resistance rubber (EPDM) and bronze material for connection part to prevent corrosiveness.

- Faster and easier to use
- It also has both axial light and reflective sheet sticker on anti-twist fire hose.
- NFPA Standard product



## SPECIFICATIONS

TYPE	MODEL	SIZE	PRESSURE (MPa)			LENGTH	MATERIAL	APPROVAL
			WORK	TEST	BURST			
Double jacket fire hose	YFH-SD40AT	NH 1-1/2"	3.0	6.0	8.0	7.5 / 15 (m)	<b>JACKET</b> : POLYESTER NYLON YARN POLYESTER FLAMMNET YARN <b>LINING</b> : RUBBER(EPDM) <b>COUPLING</b> : AL-ALLOY OR BRONZE(MARINE)	ROK Navy FLK
	YFH-SD65AT	NH 2-1/2"	3.0	6.0	8.0			



YFH-SD40AT

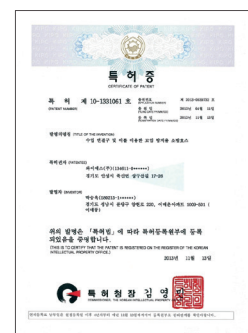
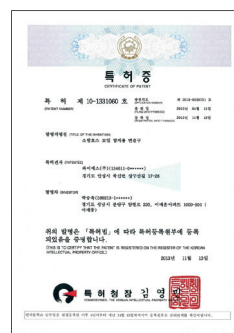
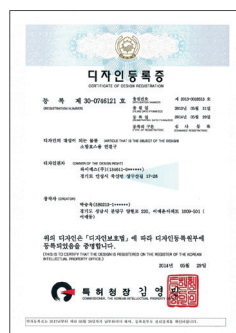
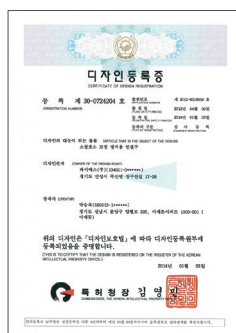


YFH-SD65AT

## SWIVEL EXAMPLE



Patented by Korea and Worldwide  
(Technical and Design)



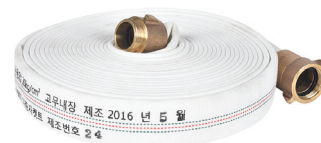
## FIRE HOSE

### ■ Fire Hose for Maritime

Our fire hose for maritime inside is coated with rubber to keep high wear resistance. And it is basically same as fire hose for ground use.



YFH-SD40



YFH-SD65

#### SPECIFICATIONS

TYPE	MODEL	SIZE	PRESSURE (MPa)			MATERIAL	HOSE COUPLING	APPROVAL
			WORK	TEST	BURST			
FIRE HOSE FOR MARITIME	YFH-SD40	NPSH1½"	2.0	4.0	6.0	JACKET : POLYESTER FILAMENT YARN	FE, NPSH, NH	KR FILK
	YFH-SD65	NH2½"	2.0	4.0	6.0	LINING : POLYURETHANE TUBE OR RUBBER		
	YFH-SD100	NH4"	1.0	2.0	4.0	COUPLING : AL-ALLOY OR BRONZE		

### ■ Fire Reel-Hose (25/32 (mm)) / 1" Fire Hose

Our fire reel-hose keeps the original form no matter what. It is also able to use with high water pressure while a hose is reel-in shape. This product is non-collapsible and excellent to use for an initial fire.

- Fitted product for country club, inside of building, mountain and narrow areas



YFH-R(25/32)



YFH-S25

#### SPECIFICATIONS

TYPE	MODEL	SIZE	PRESSURE (MPa)			MATERIAL	HOSE COUPLING	APPROVAL
			WORK	TEST	장착부			
REEL HOSE	YFH-R25	25A	0.7	2.0	3.0	JACKET : POLYESTER FILAMENT YARN	AL-ALLOY	KFI
	YFH-R32	32A	0.7	2.0	3.0	LINING : NON-COLLAPSIBLE URETHANE TUBE		
1" FIRE HOSE	YFH-S25	25A	0.7	2.0	3.0	JACKET : POLYESTER FILAMENT YARN LINING : POLYURETHANE TUBE		

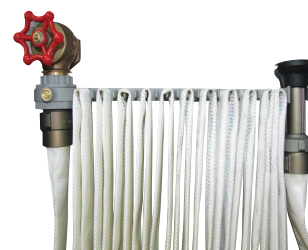
### ■ Hose Rack

It is a rack made with high-strength plastic to hang fire hose or nozzles. This rack is attached on angle valve inside of fire hose station cabinet. This rack is able to spin around but in a same time a product contains excellent elastic force stopper. Stopper is the function that prevents product from moving freely. It stops at certain level of degrees to help a user to use in different angles when needed.

- Because of rack, it does not take long time for user to pull out the fire hose
- It is much easier for people to use the fire hose



YHR-40



Installation example photo

#### SPECIFICATIONS

TYPE	MODEL	LENGTH			MATERIAL
ROTATION TYPE	YHR-40	380±2	483±2	496±2	NYLON GLASS OR AL-ALLOY

# FIRE HOSE-REEL HYDRANT



Hose Reel Drum Set

Components of Hose Reel

Movable Fire Tank System

## FIRE HOSE-REEL HYDRANT

### ■ Hose Reel Drum Set

This hose-reel is always reel-in shape and it keeps this shape either using or not. Since our hose-reel have low repulsive-power, this means it can be used easily by a single woman, elders, and a single child. Moreover, our hose-reel is maximized with newest technology and ideas, which makes big difference compare to other company ones.

- Specialized to catch an initial fire

\* A length can be adjusted differently depending on a customer's request.

\* Excess Uncoiling Prevention Device, Pressure Gauge, Hose Guide, and Auto Coiling Device are optional.

Patent No 10-0666561 / Patent No 10-1483678 / Patent No 10-1577680 / Patent No 10-1689828 / Patent No 10-1692932 / Patent No 10-1707642

Patent No 10-1705806 / Patent No 10-1774375 / Patent No 10-1778148 / Patent No 10-1898035 / Design 30-0561495 / Design 30-0782288

Design 30-0782287 / Design 30-0853591 / Design 30-0853593 / Design 30-0847140 / Design 30-0847140 / Design 30-0889877 / Design 30-0894633

Design 30-0895745 / Design 30-0953500 / Design 30-0952750 / Design 30-0948552 / Design 30-0943287



**YHR-L25** (Patent No 10-1707642)  
(Left side)



**YHR-U25**  
(Underside)

### SPECIFICATIONS

HOSE LENGTH (m)	DRUM SIZE (mm)	TRIANGLE BRACKET	UNDERSIDE BRACKET	MATERIAL	STYLE (ACCESSORY)	
15 ~ 50	420	160 mm	FOLDED 183 mm	SS 400 POWDER COATED BY YELLOW, RED, AND IVORY COLOR PLATED	-	
	450	200 mm			-	
	500	225 mm	SPREADED 535 mm		w/ PRESSURE GAUGE	
	550	250 mm				-
	600	275 mm				

### COMPARATIVE TABLE

Product type		Hose-reel hydrant	Indoor fire hydrant
Water supply(per unit)		2.6m³ (maximum 5 units)	
Proper use pressure		0.17 ~ 0.7 MPa	
Water amount		Over 130 l /min	
Method of storage		Always retaining its round shape in the cabinet during usage or storage	Be folded
Diameter of Hose		25 mm	40 mm
Horizontal distance		Must be Below 25 m	
How to use		<ul style="list-style-type: none"> <li>• Open the angle valve.</li> <li>• Bring the nozzle to the fire spot</li> <li>• Open the nozzle and extinguish the fire</li> </ul>	<ul style="list-style-type: none"> <li>• Unfold the fire hose and it must be not twisted.</li> <li>• Open the angle valve.</li> <li>• Open the nozzle and extinguish the fire.</li> <li>• After extinguish the fire, drain the fire hose and folding after drying.</li> </ul>
Comparison of Pros and Cons	Pros	<ul style="list-style-type: none"> <li>• All people could handle it easily, especially women, children, and elders.</li> <li>• It is always retaining its round shape, so hose can't be twisted.</li> <li>• Before bring the nozzle to fire spot, angle valve can be open first.</li> </ul>	<ul style="list-style-type: none"> <li>• Its flow rates amount is just little more than hose-reel hydrant.</li> </ul>
	Cons	<ul style="list-style-type: none"> <li>• Its flow rate is just little less than indoor fire hydrant.</li> </ul>	<ul style="list-style-type: none"> <li>• It is hard to use normal people, especially women, children, and elders.</li> <li>• Hose can be twisted easily.</li> <li>• Two or more people are required to use it.</li> </ul>



## FIRE HOSE-REEL HYDRANT

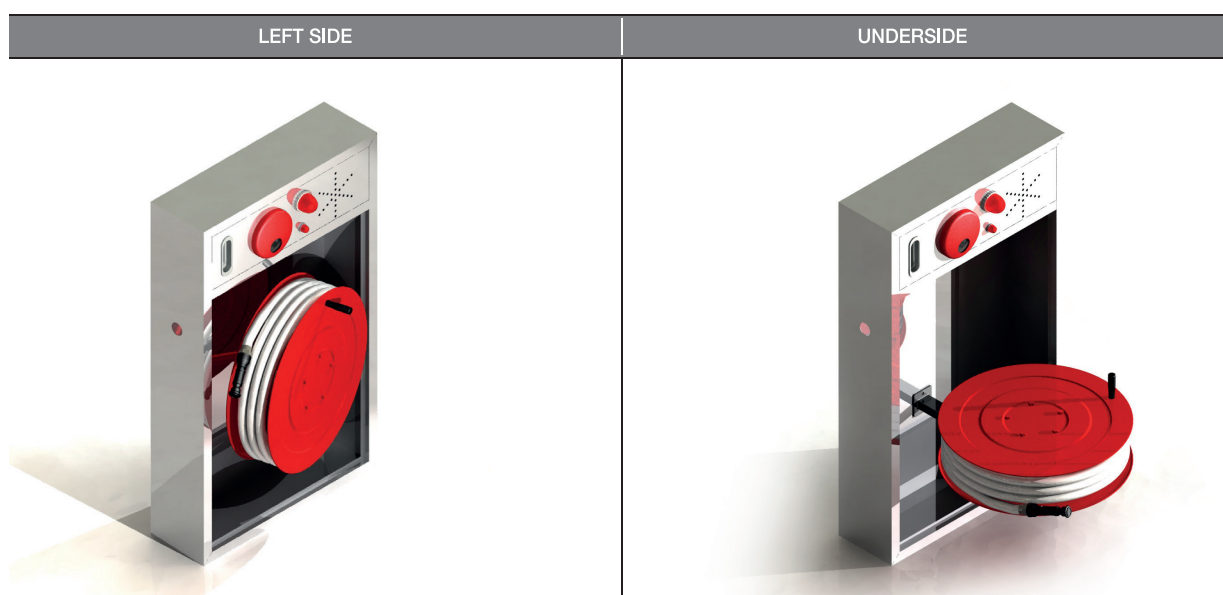
### ■ Components of Hose Reel



### SPECIFICATIONS

MODEL	SIZE	MATERIAL	WEIGHT(kg)	TEST PRESSURE		WORKING PRESSURE	HEIGHT (mm)	
				SEAT	BODY		CLOSED	OPENED
YIH-B25	PT 1" x FE25	BRONZE	0.77	1.5 MPa	2.0 MPa	1.0 MPa	125	145
YIH-S25	PT 1" x FE25	STAINLESS STEEL	0.69				127	147
YHN-W25	FE25	AL-ALLOY	0.29				105	115
YHN-AT25			0.38				126	135
YFH-R(25/32)	FE25 / FE32	POLYESTER & TPN	-	1.5 MPa		0.7 MPa	Length : 15~100 (m)	

### ■ 3D 모델링 예시 | 3D Modeling Example



## FIRE HOSE-REEL HYDRANT

### ■ Installation Example Photo



# FIRE HOSE-REEL HYDRANT

## ■ Movable Fire Tank System

### SPECIFICATIONS

- ① Maximized the fire water discharge capability and a protection area  
(More than 20 minutes of water discharge with over 1450 L water / Discharge distance: 17 – 20 m / Flow amount: over 65 L/min)
  - ② Enable to serve as a fire hydrant thanks to the applicability of emergency alarm devices (transmitter, lamp, bell, visual alarm)
  - ③ Easy to move to load water thanks to the applicability of caster wheels
  - ④ Easy to supply power through the connection of AC 220V (single phase) power
  - ⑤ Enable to select general hose 25A X 15 m or hose reel 25 m
  - ⑥ Enable to use continuously without disposal thanks to its portability, compared to other simple hydrants
- Places to apply: traditional markets, construction sites, plant sites, etc. (for initial fire suppression)

#### A Type (Basic)

#### YMTS-A1



#### Fire hose applied

25A X 15 m / 2EA



#### Hose-reel applied

25A X 25 m / 1EA  
(KFI Approved)

MODEL	ABOUT	SPECIFICATIONS
YMTS-A1	dimension (mm)	780(L) X 1580(W) X 1683 (H)
	Water amount (L)	Over 1,450 L
	Pump capacity	134 – 150 (L/min), 30 – 39 (m), 1.1 – 1.5 (HP)
	Shooting range	17 – 20 (m)
	Flow rate	Over 65 L/min
	Hose style (Selectable)	Single jacket, 25A X 15 m, 0.7 MPa – 2 EA
		Hose-reel 25A X 25 m, 0.7 MPa – 1 EA (KFI Approved)
	Hose cabinet	○
	Transmitter and alarm device	N/A
	Wheel style	or Low weight
	Terminal block	N/A
	Fixed jig for metal heater	○
	Metal heater	Selectable (Extra charge)

\* We are not responsible for any product malfunction or fire that occurs when using other equipment other than the above products.

## FIRE HOSE-REEL HYDRANT

### ■ Movable Fire Tank System

B Type (High-grade type)

YMTS-B1



#### Fire hose applied

25A X 15 m / 2EA



#### Hose-reel applied

25A X 25 m / 1EA  
(KFI Approved)

MODEL	ABOUT	SPECIFICATIONS
YMTS-B1	dimension (mm)	780(L) X 1580(W) X 1683 (H)
	Water amount (L)	Over 1,450 L
	Pump capacity	134~150 (L/min), 30~39 (m), 1.1~1.5 (HP)
	Shooting range	17~20 (m)
	Flow rate	Over 65 L/min
	Hose style (Selectable)	Single jacket, 25A X 15 m, 0.7 MPa-2 EA
		Hose-reel 25A X 25 m, 0.7 MPa-1 EA (KFI Approved)
	Hose cabinet	○
	Transmitter and alarm device	○
	Wheel style	For High weight (8B caster wheel)
	Terminal block	○
	Fixed jig for metal heater	○
	Metal heater	Selectable (Extra charge)

\* We are not responsible for any product malfunction or fire that occurs when using other equipment other than the above products.



# HOSE REEL CABINET



Basic Type

Included 2-1/2"(65 mm) Hoses Type

Included Portable Fire Extinguisher

Included 2-1/2"(65 mm) Hoses & Portable Fire Extinguisher (Type A)

Non Framed Hose Reel Cabinet

Outdoor Fire Cabinet

## INDOOR HOSE REEL CABINET

### ■ Basic Type

This cabinet installed outside of a building is used to store and protect a hose reel at ordinary times. In fire, it is possible to make a manual operation immediately. The cabinet includes a transmitter for telephoning, a lamp identifiable far away, and a fire bell for notification and fast evacuation. In addition, since it has Hose Reel, Hose & Nozzle, and Fire Extinguisher (optional), it is very useful to suppress a fire initially.

\* Applicable P,C Acrylic Plate to the front (all models)

Embedded type

**YFC-IB1**

Exposed type

**YFC-IB2**



### SPECIFICATIONS

STYLE (TYPE)		SIZE (mm)		
		LENGTH	HEIGHT	WIDTH
Embedded type	CABINET	580~890	1150~1490	185~600
	COVER	590~900	1160~1500	-
Exposed type	SET	550~900	1160~1500	185~500

STYLE (TYPE)		MATERIAL
Embedded type	CABINET	SPHC 1.6T, STS304 1.5T, SECC 1.5T Epoxy powder coated
	COVER	
Exposed type	SET	

\* KFI APPROVED

### ■ Included 2-1/2"(65 mm) Hoses Type

Embedded type

**YFC-IH1**

Exposed type

**YFC-IH2**



### SPECIFICATIONS

STYLE (TYPE)		SIZE (mm)		
		LENGTH	HEIGHT	WIDTH
Embedded type	CABINET	580~890	1450~1890	185~550
	COVER	590~900	1460~1900	-
Exposed type	SET	590~900	1500~1900	185~600

STYLE (TYPE)		MATERIAL
Embedded type	CABINET	SPHC 1.6T, STS304 1.5T, SECC 1.5T Epoxy powder coated
	COVER	
Exposed type	SET	

\* KFI APPROVED

## INDOOR HOSE REEL CABINET

- Included Portable Fire Extinguisher

Embedded type

**YFC-IF1**

Exposed type

**YFC-IF2**



### SPECIFICATIONS

STYLE (TYPE)		SIZE (mm)		
		LENGTH	HEIGHT	WIDTH
Embedded type	CABINET	840~1240	1090~1390	185~550
	COVER	850~1250	1100~1400	-
Exposed type	SET	850~1250	1100~1400	185~550

STYLE (TYPE)		MATERIAL
Embedded type	CABINET	SPHC 1.6T, STS304 1.5T, SECC 1.5T Epoxy powder coated
	COVER	
Exposed type	SET	

\* KFI APPROVED

- Included 2-1/2"(65 mm) Hoses & Portable Fire Extinguisher (Type A)

Embedded type

**YFC-IHF1**

Exposed type

**YFC-IHF2**



### SPECIFICATIONS

STYLE (TYPE)		SIZE (mm)		
		LENGTH	HEIGHT	WIDTH
Embedded type	CABINET	840~1290	1490~1890	185~550
	COVER	850~1300	1500~1900	-
Exposed type	SET	850~1300	1500~1900	185~550

STYLE (TYPE)		MATERIAL
Embedded type	CABINET	SPHC 1.6T, STS304 1.5T, SECC 1.5T Epoxy powder coated
	COVER	
Exposed type	SET	

\* KFI APPROVED

## INDOOR HOSE REEL CABINET

### ■ Non Framed Hose Reel Cabinet

Non-framed Hose Reel Cabinet, along with Underside Hose Reel, is good to apply a hose reel to special places like the inside of a building with narrow columns, rather than general places.

YFC-INF



### SPECIFICATIONS

STYLE (TYPE)		SIZE (mm)		
		LENGTH	HEIGHT	WIDTH
Exposed type	SET	500~650	1200~1600	200~600

STYLE (TYPE)		MATERIAL
Exposed type	SET	SPHC 1.6T, STS304 1.5T, SECC 1.5T Epoxy powder coated

\* KFI APPROVED

### INSTALLATION EXAMPLE PHOTO





## INDOOR HOSE REEL CABINET

### ■ Outdoor Fire Cabinet

Outdoor hose-reel cabinet is good to apply a hose reel to special place like outside of buildings. It is for extinguishing an initial state fire. It can be install at parking lot of mart, Buddhist temple, and church.



### SPECIFICATIONS

MODEL	STYLE (TYPE)		SIZE (mm)			MATERIAL
			LENGTH	HEIGHT	WIDTH	
YFC-OH1	Outdoor	SET	580~1200	1400~2000	200~600	STS304 1.5T Epoxy powder coated

\* KFI APPROVED

# SIMPLE HOSE AND NOZZLE CABINET



Simple hose box / Simple hose box + Pole holding by Anchor bolts

Simple hose box (Bigger size)

Simple hose box (Bigger size) with standing structure

Simple fire extinguisher box / Simple fire extinguisher box + Fire alarm

Simple fire extinguisher box with Achor pole

Simple fire extinguisher box with Standing structure

Simple fire extinguisher box (Bigger) / Simple fire extinguisher box with Achor pole (Bigger)

Simple fire extinguisher box with Standing structure (Bigger)

Fire escape emergency goods box / Fire escape emergency goods box. (Bigger)

First Aid kit box / First Aid kit box (Bigger)

# SIMPLE HOSE AND NOZZLE CABINET

## Material

This product is made of durable semi-permanent high density polyethylene material that is UV resistant, recyclable and chemically resistant. It can be used semi-permanently because there is no discoloration or breaking phenomenon when exposed to a long time.

DaelimPoly<sup>+</sup>

고밀도 폴리에틸렌

50100

제품 소개

제품 특성	<ul style="list-style-type: none"> <li>가공성 우수</li> <li>Parison 안정성 우수</li> <li>신장률 대향 증가</li> <li>밀면 및 신장률 높음</li> </ul>	중량당무수
주관 성능	가공 온도 190~230°C	
적용 가능 조건	FDA 21 CFR 177.320 규정에 적합	

제품 특성

수치 특성	단위	시험 방법	50100
밀도	g/cm <sup>3</sup>	ASTM D1505	0.948
용융지수 (330°C, 10.10g)	g/10min	ASTM D1238	9.0
연화점	°C	ASTM D1525	125
용융점	°C	ASTM D3458	130
열가속		AO	
시험 특성	단위	시험 방법	50100
인장강도 (평균)	kgf/cm <sup>2</sup>	ASTM D638	260
신율 (200%)	%	ASTM D638	>700
윤곽탄성률	kgf/cm <sup>2</sup>	ASTM D790	9,500
ISO9000 충격강도 (Notch, 23°C)	kg-cm/m	ASTM D256	50
내충격충격강도 (Condition B, F50)	ft-lb	ASTM D1693	>600

1. 상기 데이터는 ASTM D4743에 따라 제작된 표준품에 적용된 값임  
 2. 합계 100%인 것은 아니나, 100%에 근접함  
 3. 1과 2의 값은 고가치와 저가치의 균형을 나타냄

“당사 제품(폴리에틸렌)은 물과 기름에 대한 높은 화학적 저항성과 고온의 환경에 대한 열안정성에 의해, 제품 수명이 긴, 경제적 사용용 용도가 있는 고밀도 폴리에틸렌에 속합니다. 당사는 제품 품질과 성능을 향상시키기 위해 제품 설계에 특별한 노력을 기울이고 있으며, 이러한 노력은 고객에게 최상의 제품을 제공하는 데 도움이 됩니다.”

대한화학공업(주) 대림화학

\* Made by DAELIM CHEMICAL (KOREA)

## Features

1. Made by double case door
2. No damage even in strong impact
3. Excellent for cold weather, insulation, and humidity.
4. For fire hose, fire extinguisher, and emergency kits.



## Where to use?

It can be used in all places such as residential space, office, work place, ship, indoor, outdoor, construction work place.



## What is better?

Fire extinguishing equipment and first aid equipments can be kept in any space.



## SIMPLE HOSE AND NOZZLE CABINET



### YFC-P-1

Simple hose box

Size : 260 X 520 X 187 (mm)



### YFC-P-2

Simple hose box + Pole holding by  
Anchor bolts

Size : 260 X 520 X 187 (mm)



### YFC-P-3

Simple hose box (Bigger size)

Size : 440 X 560 X 220 (mm)



### YFC-P-4

Simple hose box (Bigger size) with  
standing structure

Size : 440 X 560 X 220 (mm)



## SIMPLE HOSE AND NOZZLE CABINET

### ■ Fire Extinguisher Cabinet (1 EA)



#### YFC-P-5

Simple fire extinguisher box

Size : 260 X 520 X 187 (mm)



#### YFC-P-6

Simple fire extinguisher box + Fire alarm

Size : 260 X 520 X 187 (mm)



#### YFC-P-7

Simple fire extinguisher box with Anchor pole

Size : 260 X 520 X 187 (mm)



#### YFC-P-8

Simple fire extinguisher box with  
Standing structure

Size : 260 X 520 X 187 (mm)

## SIMPLE HOSE AND NOZZLE CABINET

### ■ Fire Extinguisher Cabinet (2 EA)



#### YFC-P-9

Simple fire extinguisher box (Bigger)

Size : 440 X 560 X 220 (mm)



#### YFC-P-10

Simple fire extinguisher box with fire alarm (Bigger)

Size : 440 X 560 X 220 (mm)



#### YFC-P-11

Simple fire extinguisher box with Anchor pole (Bigger)

Size : 440 X 560 X 220 (mm)



#### YFC-P-12

Simple fire extinguisher box with Standing structure (Bigger)

Size : 440 X 560 X 220 (mm)

## SIMPLE HOSE AND NOZZLE CABINET

### ■ Emergency Kit Cabinet



#### YEC-P-1

Fire escape emergency goods box

Size : 260 X 520 X 187 (mm)



#### YEC-P-2

Fire escape emergency goods box. (Bigger)

Size : 440 X 560 X 220 (mm)



#### YEC-P-3

First Aid kit box

Size : 260 X 520 X 187 (mm)



#### YEC-P-4

First Aid kit box (Bigger)

Size : 440 X 560 X 220 (mm)

# OUTDOOR FIRE HYDRANT



4" Outdoor Hydrant

4" Underground Hydrant

6" Outdoor Hydrant (Kennedy)

6" Outdoor Hydrant (Darling)

Wet Type Outdoor Hydrant

Post Indicator Valve

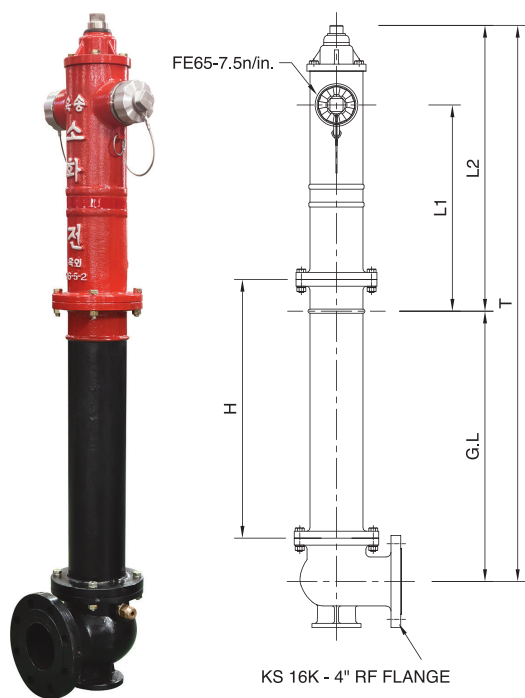


## OUTDOOR FIRE HYDRANT

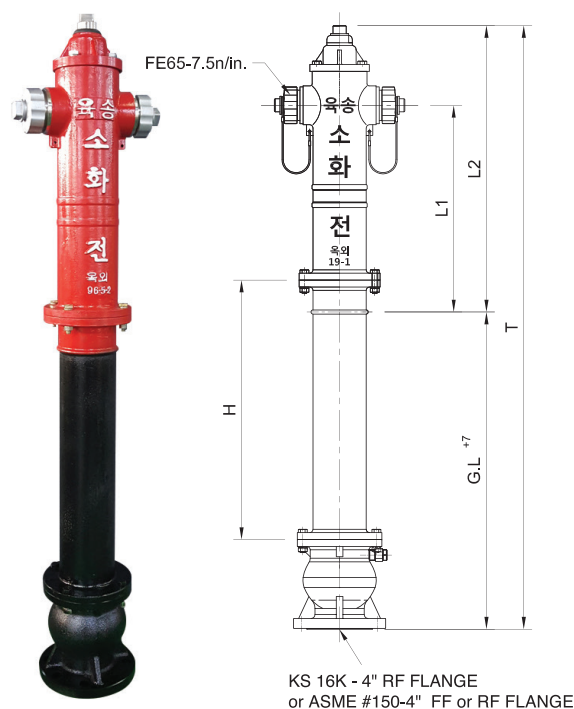
### ■ 4" Outdoor Hydrant

This outdoor hydrant is universal product that installed near buildings to discharge a fire water. Can be connect to 65A size fire hose, if necessary, Gate valve, Ball vavle, or Globe valve can be connect.

- It has special triplication drain system

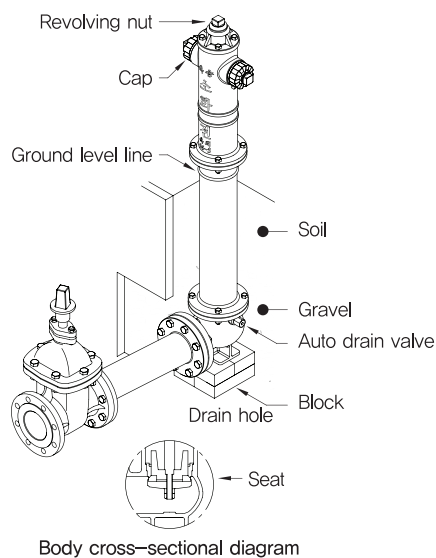


YOH-B100



YOH-I100

### 3D MODELING INSTALLATION SAMPLE



### YOH-B100 / YOH-B100L / YOH-I100 (2-WAY)

**TYPE :** 2-WAY DRY BARREL, ANTI FREEZING, SELF DRAINABLE

**INLET CONNECTION :** 4" KS B 1511 16K RF FLANGE  
4" ANSI #150 FF OR RF FLANGE

**HOSE CONNECTION :** TWO(2) X FE65 MALE THREAD w/CAP & CHAIN

**TEST PRESSURE :** 2.0 MPa

**PAINT :** A.G. - EPOXY PAINT IN RED OR YELLOW  
U.G. - EPOXY PAINT IN BLACK

**BODY MATERIAL :** CAST IRON OR DUCTILE

**CAP MATERIAL :** AL-ALLOY OR BRONZE

**APPROVAL :** KFI APPROVED

MODEL	DIMENSION (mm)				
	G.L	H	L1	L2	T
YOH-B100	662	634	505	700	1362
YOH-B100L	1202	1174	505	700	1902
YOH-I100	750	570	505	700	1450

## OUTDOOR FIRE HYDRANT

### ■ Outdoor Fire Hydrant with prevent Frostbite.

A technique to prevent frozen that can happen in winter.

Drain faster

No worries for frozen

Easy to A/S

How it works? (Triple drain system)



Point

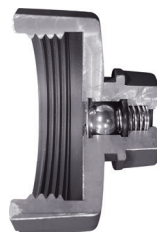
1



Revolving nut

Point

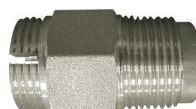
2



Air valve cap (Prevent vacuum)

Point

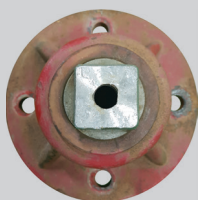
3



Auto drain valve

### Frozen example case

Revolving Nut and Cap Frozen



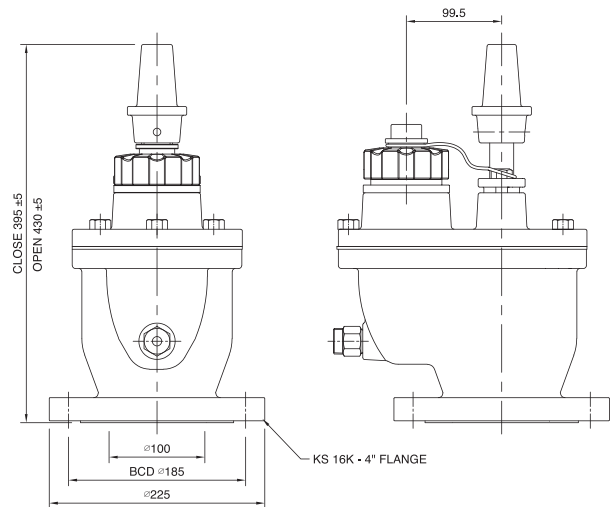
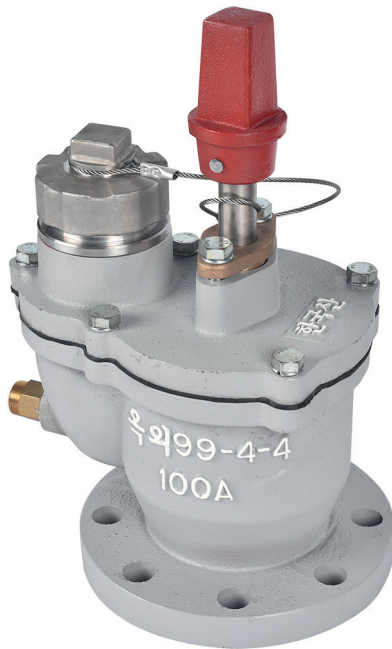
Frozen Body



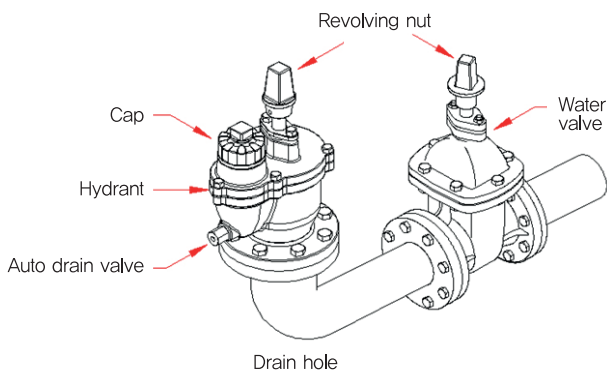
## OUTDOOR FIRE HYDRANT

### ■ 4" Underground Hydrant

This underground hydrant is for to install near buildings underground level. To use this product, it must connect with underground hydrant pipe connector to put out a fire.



### 3D MODELING INSTALLATION SAMPLE



### YOH-U100 (1-WAY)

**TYPE :** 1-WAY DRY BARREL, ANTI FREEZING, SELF DRAINABLE

**INLET CONNECTION :** 4" KS B 1511 16K RF FLANGE

**HOSE CONNECTION :** ONE(1) X FE65 MALE THREAD w/CAP & CHAIN

**TEST PRESSURE :** 2.0 MPa

**PAINT :** EPOXY PAINT IN BLACK OR GRAY

**BODY MATERIAL :** CAST IRON OR DUCTILE

**CAP MATERIAL :** AL-ALLOY

**APPROVAL :** KFI APPROVED

## OUTDOOR FIRE HYDRANT

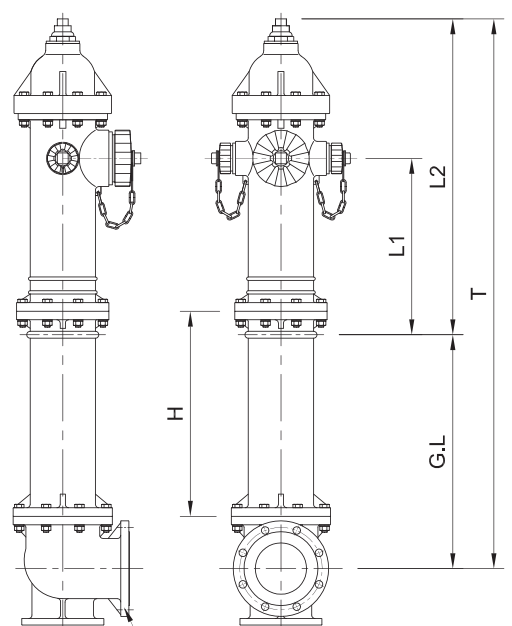
### ■ 6" Outdoor Hydrant (KENNEDY)

The Kennedy type of outdoor hydrant is used near outside of a building or in a plant facility. There are two different Kennedy types to install near outside of a building.

1.First, it would be 3-way type and has a function called pump connector. It works as water supply to fire trucks when trucks are out of water.

2.Second, it would be 4-way type can be connected with firefighting monitor.

Both two different Kennedy type outdoor hydrant could be used with gate, ball, and glove valves



ASME #150 - 6" FF or RF FLANGE

### YOH-K150C (3-WAY) YOH-K150D (4-WAY)

**TYPE :** 3 & 4-WAY DRY BARREL, ANTI FREEZING, SELF DRAINABLE

**INLET CONNECTION :** 6" ANSI #150 FLANGE

**HOSE CONNECTION :** TWO(2) X FE65 MALE THREAD w/CAP & CHAIN

**PUMP CONNECTION :** ONE(1) X FE115 MALE THREAD w/CAP & CHAIN

**MONITOR CONNECTION :** ONE(1) X 4" ANSI #300 FF FLANGE \*Only for 4-WAY

**TEST PRESSURE :** 2.0 MPa

**PAINT :** A.G. - EPOXY PAINT IN RED OR YELLOW

U.G. - EPOXY PAINT IN BLACK

**BODY MATERIAL :** CAST IRON OR DUCTILE

**CAP MATERIAL :** AL-ALLOY OR BRONZE

BURIED DEPTH (mm)	DIMENSION (mm)			
G.L	H	L1	L2	T
680	600	515	928	1608
950	870	515	928	1878
1100	1020	515	928	2028
1250	1170	515	928	2178



## OUTDOOR FIRE HYDRANT

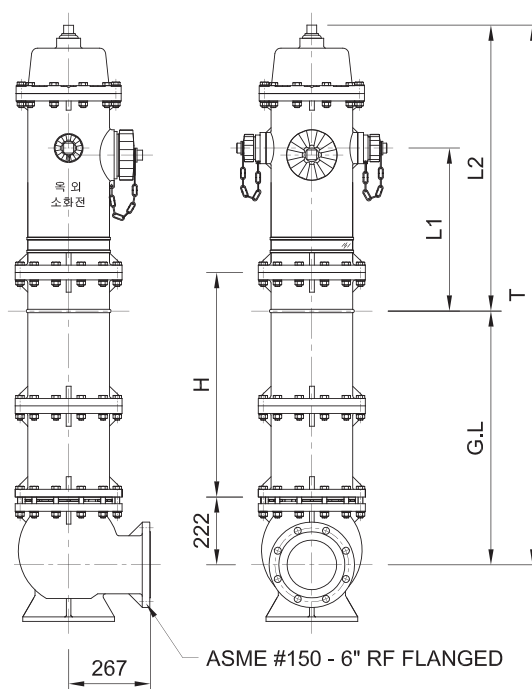
### ■ 6" Outdoor Hydrant (DARILING)

It is mostly used in plant facility. There are two different Darling types to install near plant facility.

1.First, it would be 3-way type and has a function called pump connector. It works as water supply to fire trucks when trucks are out of water.

2.Second, it would be 4-way type can be connected with firefighting monitor.

Both two different Darling type outdoor hydrant could be used with gate, ball, and glove valves



### YOH-D150C (3-WAY) YOH-D150D (4-WAY)

**TYPE :** 3 & 4-WAY DRY BARREL, ANTI FREEZING, SELF DRAINABLE

**YSHD-150A :** FLANGE TYPE ENDED FOR HOSE CONNECTION VALVE

**INLET CONNECTION :** 6" ANSI #150 FLANGE

**HOSE CONNECTION :** TWO(2) X FE65 MALE THREAD w/CAP & CHAIN

**PUMP CONNECTION :** ONE(1) X FE115 MALE THREAD w/CAP & CHAIN

**MONITOR CONNECTION :** ONE(1) X 4" ANSI #300 FF FLANGE \*Only for 4-WAY

**TEST PRESSURE :** 2.0 MPa

**PAINT :** A.G. - EPOXY PAINT IN RED OR YELLOW

U.G. - EPOXY PAINT IN BLACK

**BODY MATERIAL :** CAST IRON OR DUCTILE

**CAP MATERIAL :** AL-ALLOY OR BRONZE

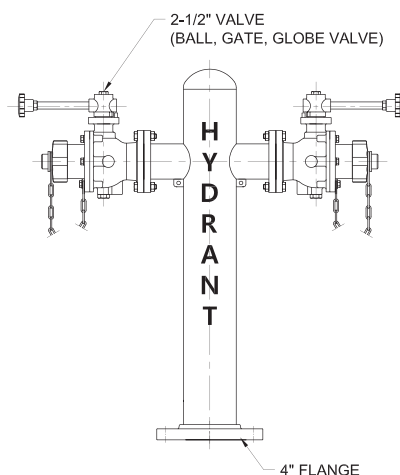
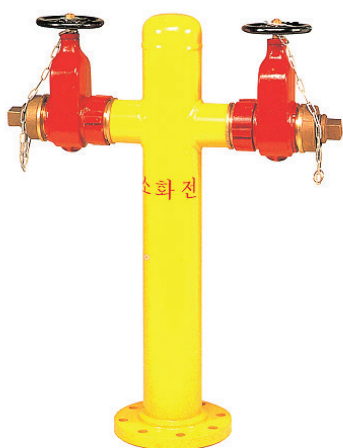
BURIED DEPTH (mm)	DIMENSION (mm)			
G.L	H	L1	L2	T
830	742	511	935	1765
950	862	511	935	1885
1100	1012	511	935	2035
1250	1162	511	935	2185

## OUTDOOR FIRE HYDRANT

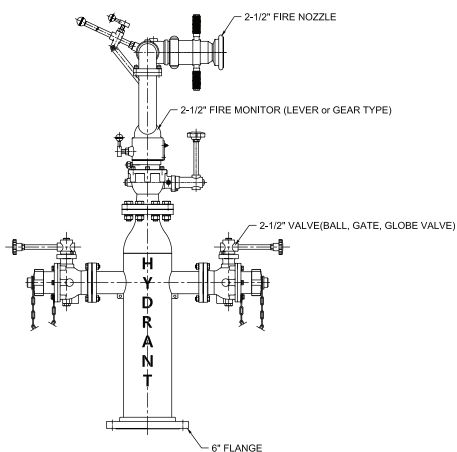
### ■ Wet Type Outdoor Hydrant

For areas where they do not have to worry about freeze and burst

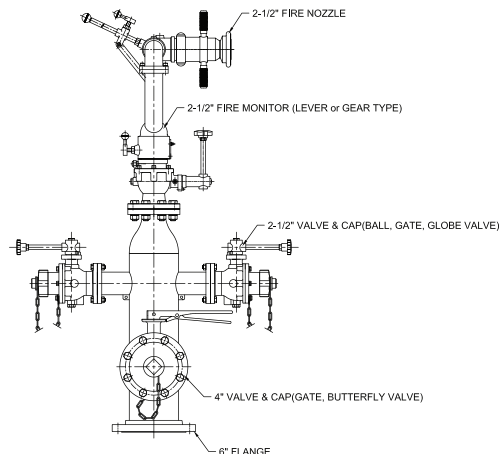
This outdoor hydrant is for the areas where freeze and burst does not occur. This item would be fitted outdoor hydrant for southern countries. It is able to connect with 2 – 1/2" fire hose and depend on purpose, it can attach gate, ball, and globe valves to use the hydrant. In normal case, it is made as 4" hydrant, but depend on areas, it can be built as up to 6" hydrant.



**YOH-W100 / Basic 4" Type (2-WAY)**



**6" Model (3-WAY)**



**6" Model (4-WAY)**

### YOH-W100 / Basic 4" Type (2-WAY)

**TYPE :** NON-SELF DRAINABLE 2-WAY

**INLET CONNECTION :** 4" OR 6" ANSI #150 FLANGE

**HOSE CONNECTION :** Two(2) X 2.5" MALE THREAD W/ CAP & CHAIN

**PUMP CONNECTION :** One(1) X 4.5" or 4" MALE THREAD W/ CAP & CHAIN

**MONITOR CONNECTION :** ONE(1) X 4" ANSI 300 lbs FF FLANGE \*Only for 4-WAY

**TEST PRESSURE :** 2.0 MPa

**PAINT :** EPOXY PAINT IN RED OR YELLOW

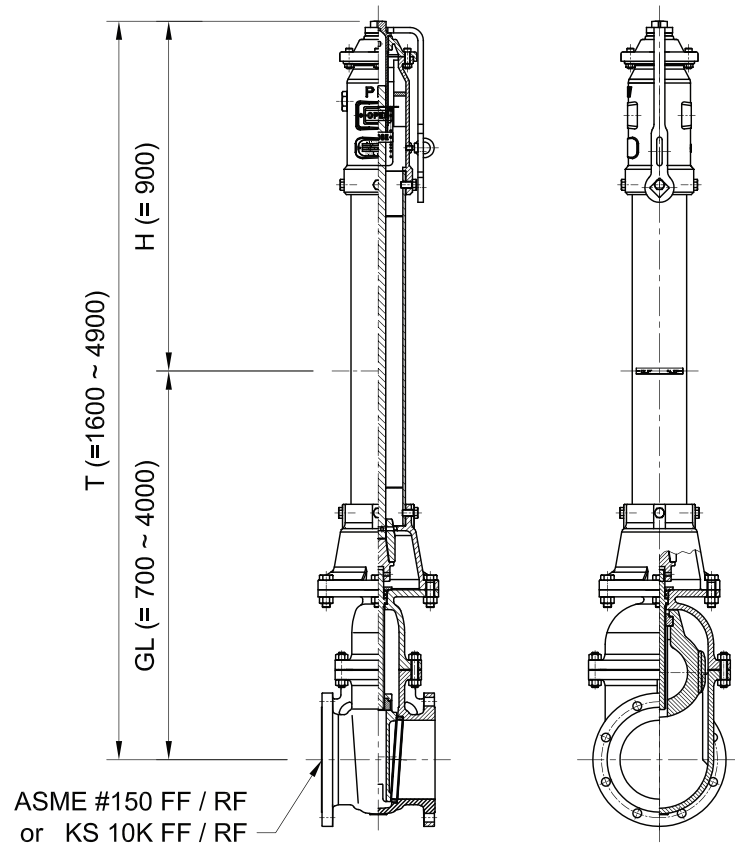
**BODY MATERIAL :** CARBON STEEL

**COUPLING MATERIAL :** BRONZE

## OUTDOOR FIRE HYDRANT

### ■ Post Indicator Valve

This new post indicator valve (lever type) is designed as long durability concept. Speical NRS valve will gives you more satisfactory than soft seal valves.



### YPIV-L(100~600)

**SIZE :** 4" ~ 24" ASME #150 OR KS 10K FF or RF FLANGED

**VALVE TYPE :** GATE VALVE / NRS / LEVER OPERATION TYPE

**PRESSURE TEST :** KFI STANDARD

**TEST PRESSURE :** 1.5 MPa (10 min.)

**MATERIAL**

**VALVE :** DUCTILE IRON

**POST :** CAST IRON

**PIPE :** SPPS

**DISK :** STAINLESS STEEL or CAST STEEL with EPDM COATED

**PAINT**

GATE VALVE : GREY COLOR

POST INDICATOR : RED & BLACK

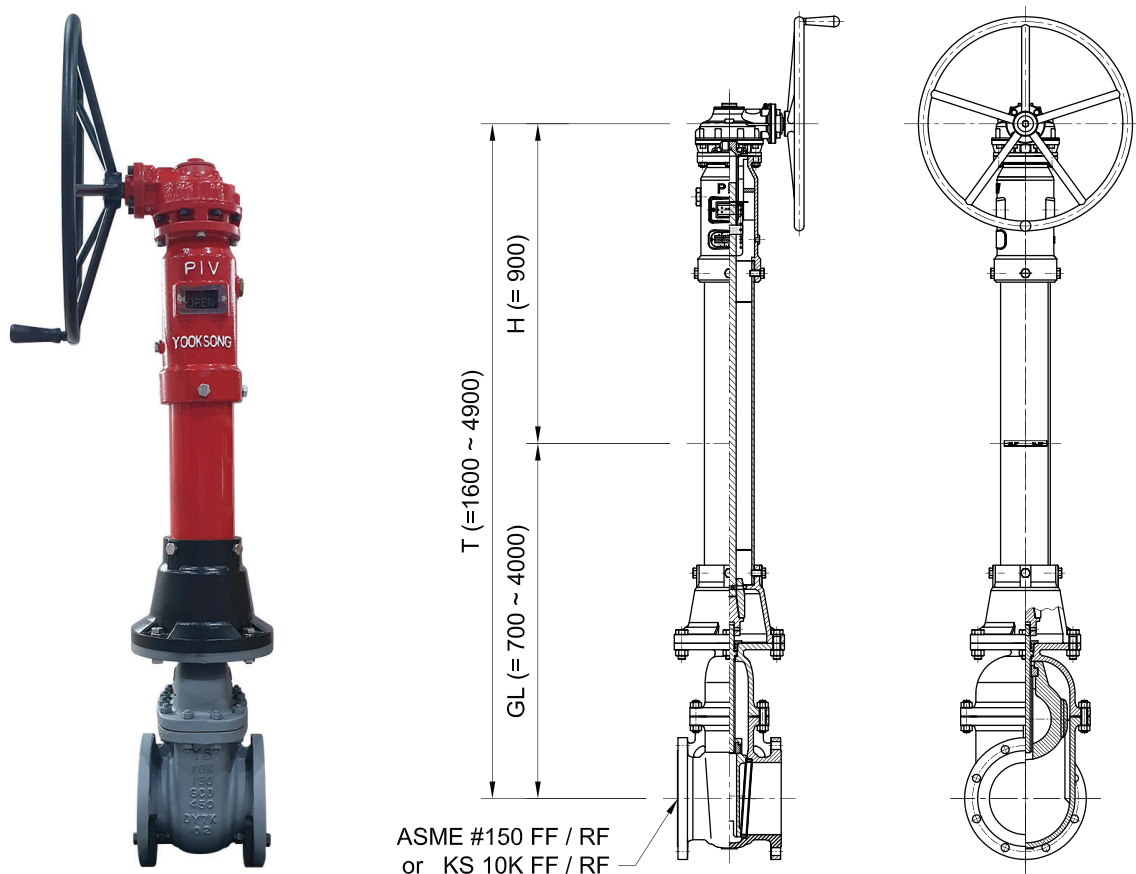
**ACCESSORY :** TAMPER SWITCH (EXP. / NON-EXP. BOTH TYPE

ADJUSTABLE) LOCKING DEVICE

## OUTDOOR FIRE HYDRANT

### ■ Post Indicator Valve

This new post indicator valve (Gear type) is designed as long durability concept. Special NRS valve will give you more satisfactory than soft seal valves.



### YPIV-G(100~600)

**SIZE :** 4" ~ 24" ASME #150 OR KS 10K FF or RF FLANGED

**VALVE TYPE :** GATE VALVE / NRS / GEAR OPERATION TYPE

**TEST PRESSURE :** 1.5 MPa (10 min.)

**MATERIAL**

**VALVE :** DUCTILE IRON

**POST :** CAST IRON

**PIPE :** SPPS

**DISK :** STAINLESS STEEL or CAST STEEL with EPDM COATED

**PAINT**

GATE VALVE : GREY COLOR

POST INDICATOR : RED & BLACK

**ACCESSORY :** TAMPER SWITCH (EXP. / NON-EXP. BOTH TYPE

ADJUSTABLE) LOCKING DEVICE

### OPERATION

- 1) Normally, the valve remains open.
- 2) If fire hydrant or pipeline maintenance is required, the Lever type will turn the wrench clockwise through the square rods at the top of the posts and close the valves.



# FIRE MONITOR



Ball-Valve Assembled Type & Gear Type  
Basic Lever Type & Fire Monitor Elbow

## FIRE MONITOR

### ■ Ball-Valve Assembled Type & Gear Type

These two type firefighting monitors are used in an area where firefighters experience difficult access. For example, a multipurpose building, dangerous material storage, outdoor oil tank, liquified gas storage, an aviation shed, chemical factory, etc.

- To use this product, it must connect to fire truck or outdoor hydrant.
- Depend on operation method, it could be used as lever or gear type.



YFM-BL65



YFM-BG65

### SPECIFICATIONS

MODEL	DRIVING TYPE	INLET SIZE	OUTLET SIZE	MATERIAL(BODY)	TEST PRESSURE	DRIVING RANGE		
						UP	DOWN	RIGHT/LEFT
YFM-BL65	LEVER	2.5" OR 4"	FE65	BRONZE	2.0 MPa	+90°	-45°	360°
YFM-BG65	GEAR	2.5" OR 4"	FE65	BRONZE	2.0 MPa	+90°	-45°	360°

\*KFI APPROVED

### ■ Basic Lever Type & Fire Monitor Elbow



YFM-L65



YEL-M100 / YEL-M150

### SPECIFICATIONS

MODEL	DRIVING TYPE	CONN. SIZE	OUTLET SIZE	MATERIAL(BODY)	TEST PRESSURE	DRIVING RANGE		
						UP	DOWN	RIGHT/LEFT
YFM-L65	LEVER	2.5" OR 4"	FE65	BRONZE	2.0 MPa	+90°	-65°	360°
ELBOW MODEL	APPLICATION	SIZE				MATERIAL		
YEL-M100	4" HYDRANT	2.5" X 4" ANSI #150 FF FLANGED				CAST IRON		
YEL-M150	6" HYDRANT	4" ANSI #300 X 4" ANSI #150 FF FLANGED				CAST IRON		

\*KFI APPROVED

# VALVES AND COUPLING FOR FIRE EQUIPMENT



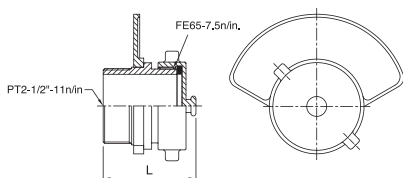
Fire Department Connection  
Indoor Hydrant / Angle Valve  
2-Way Wyes Valve  
Ball Valve for Fire Truck  
Bronze Butterfly Valve (Grooved Type)  
Bronze Butterfly Valve (Threaded Type)  
DCI Butterfly Valve (Grooved Type)  
DCI Butterfly Valve (Wafer Type)  
Hydrant Connection Stand Pipe  
Pressure Reduce Device  
Suction Coupling  
Siamese Coupling  
Intermediate Coupling  
Auto Drain Valve  
Water Valve

## VALVES AND COUPLING FOR FIRE EQUIPMENT

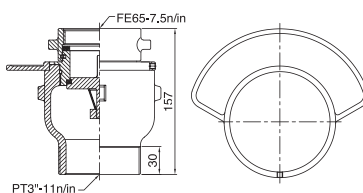
### ■ Fire Department Connection

This apparatus is to supply fire water from outside of a building to an indoor fire facility.

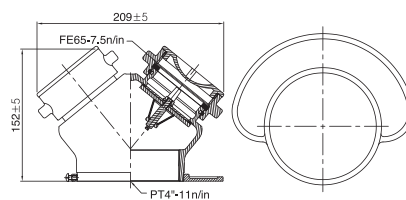
- Fire Department Connection's seat is built as spring check valve structure which prevents counter flow.
- Outlet connection product does not require any system to prevent counter flow
- These connectors can be installed two different types, exposure-type or bury-type.



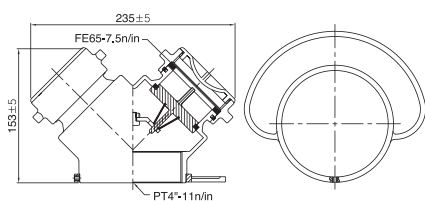
**YFD-A65 (A-TYPE)**



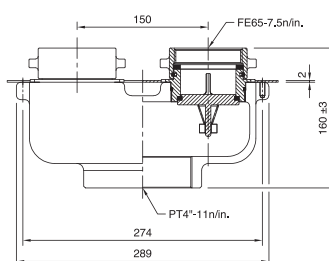
**YFD-C65 (C-TYPE)**



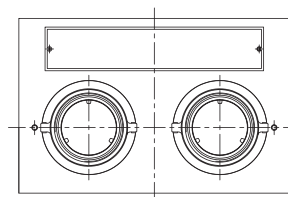
**YFD-E65B (E-TYPE BRONZE)**



**YFD-E65S (E-TYPE STS)**



**YFD-F65B (F-TYPE BRONZE)**



**YFD-F65S (F-TYPE STS)**

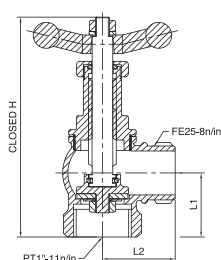
MODEL	CONN. SIZE	OUTLET SIZE	MATERIAL	APPROVAL
YFD-A65(A-TYPE)	ONE(1) X FE65(MALE)	PT 2½ (MALE)	BRONZE	KFI
YFD-C65(C-TYPE)	ONE(1) X FE65(FEMALE)	PT 3 (MALE)	CAST IRON & BRONZE	
YFD-E65B(E-TYPE BRONZE)	TWO(2) X FE65(FEMALE)	PT 4" (FEMALE)	BRONZE	
YFD-E65S(E-TYPE STS)			STAINLESS STEEL	
YFD-F65B(F-TYPE BRONZE)	TWO(2) X FE65(FEMALE)	PT 4" (FEMALE)	CAST IRON & BRONZE	
YFD-F65S(F-TYPE STS)			CAST IRON & STAINLESS STEEL	



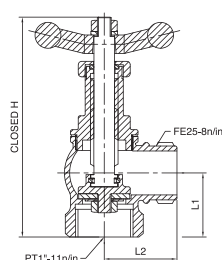
## VALVES AND COUPLING FOR FIRE EQUIPMENT

### ■ Indoor Hydrant / Angle Valve

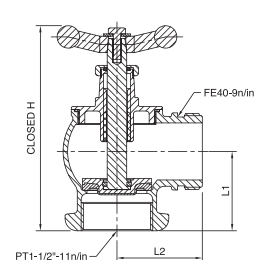
This valve is for an indoor fire hydrant cabinet. It should be installed inside of cabinet to connect fire hose to discharge water whenever needed.



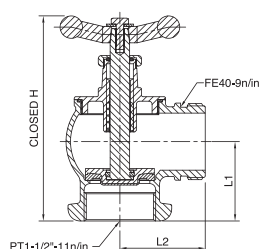
**YIH-B25**



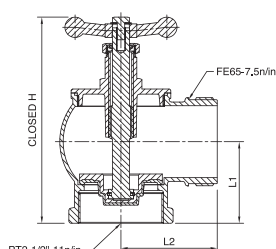
**YIH-S25**



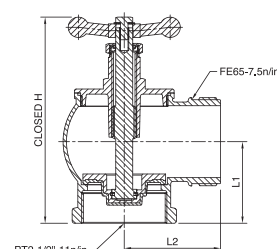
**YIH-B40**



**YIH-S40**



**YIH-B65**



**YIH-S65**

MODEL	PIPE CONN. SIZE	HOSE CONN. SIZE	DIMENSION			TEST PRESSURE	MATERIAL	WEIGHT (Kg)	APPROVAL
			CLOSED H	L1	L2				
YIH-B25	PT 1"	FE25	125	37	42	2.0 MPa	BRONZE	0.77	KFI
YIH-S25	PT 1"	FE25	127	37	42	2.0 MPa	STAINLESS STEEL	0.69	
YIH-B40	PT 1 1/2"	FE40	137	53	57	2.0 MPa	BRONZE	1.24	
YIH-S40	PT 1 1/2"	FE40	137	53	57	2.0 MPa	STAINLESS STEEL	1.14	
YIH-B65	PT 2 1/2"	FE65	180	72	85	2.0 MPa	BRONZE	2.93	
YIH-S65	PT 2 1/2"	FE65	180	72	85	2.0 MPa	STAINLESS STEEL	2.57	

## VALVES AND COUPLING FOR FIRE EQUIPMENT

### ■ 2-Way Wyes Valve

Our Y-Coupling is made to support water in 2-way ball valve type. It brings water from two different way where water to discharge stronger and to have longer-range.

• It is for fire truck



YYC-40



YYC-65B

### SPECIFICATIONS

MODEL	INLET SIZE	OUTLET SIZE	TEST PRESSURE	MATERIAL	APPROVAL
YYC-40	FE40	TWO(2) X FE25	3.0 MPa	AL-ALLOY	KFI
YYC-65B	FE65	TWO(2) X FE40			

### ■ Ball Valve for Fire Truck

This single way valve is used in fire truck to discharge or absorb water. It also could be used as firefighting monitor's block valve.

• If connected to firefighting monitor, it should be installed bottom of firefighting monitor.

Middle valve



YBV-C65

Flow valve



YBV-D65

Support valve



YBV-B65

Suction valve



YBV-S75

Main valve



YBV-M100

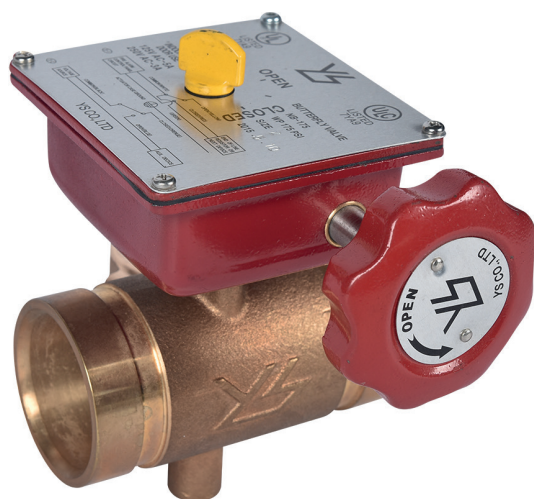
### SPECIFICATIONS

MODEL	CONN. SIZE (IN X OUT)	TEST PRESSURE	MATERIAL		REMARK
YBV-C65	FE65 (M) X FLG. 2½"	2.0 MPa	CAST IRON + BRONZE	PAINTING COLOR : RED OR YELLOW  FLG. TYPE : FF	Open and close the valve direction can be change RH : RIGHT HAND LH : LEFT HAND
YBV-D65	FLG. 2½" X FE65 (M)				
YBV-B65	FE65 (F) X FLG. 2½"				
YBV-S75	FE75 (M) X FLG. 3"				
YBV-S100	FE100 (M) X FLG. 4"				
YBV-M100	FLG.4" X FLG. 4"		CAST IRON		

## VALVES AND COUPLING FOR FIRE EQUIPMENT

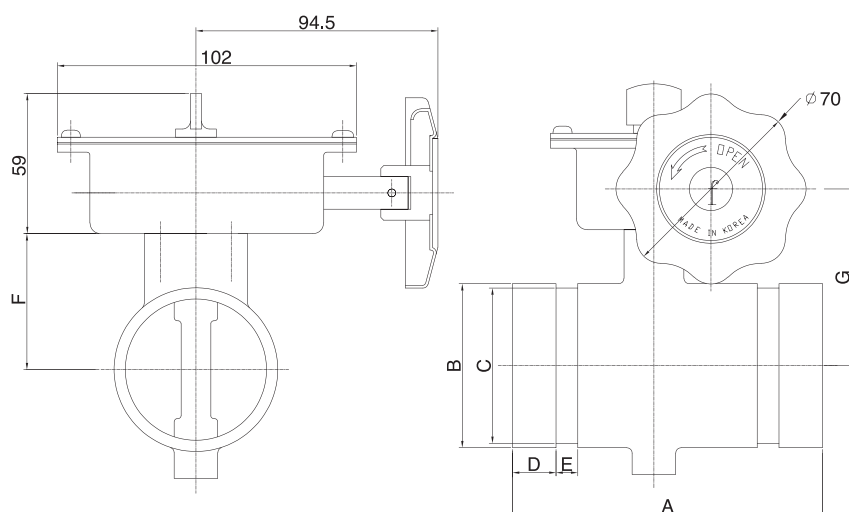
### ■ Bronze Butterfly Valve (Grooved Type) –

This Bronze Butterfly Valve is installed in a fluid flowing pipe. The disk in its body rotates at 90° in order to block or adjust fluid flow. This valve can be used indoor and outdoor, obtaining UL certificate. It is divided into Grooved Type and Threaded Type.



### SPECIFICATIONS

MODEL	YSBBV-G(50~65) - BRONZE BUTTERFLY VALVE	
TYPE	GROOVED TYPE	
WORKING PRESSURE	1.2 MPa	
MAX. TEST PRESSURE	2.5 MPa	
MAX. WORKING TEMP.	120°C (250°F)	
TAMPER SWITCH	2 EA	
MATERIAL	BODY	ASTM B-505
	DISC	ASTM B-583 EPDM ENCAPSULATED
UPPER STEM	ASTM A-564 TYPE XM 12	
LOWER STEM	ASTM A-564 TYPE XM 12	
GEAR HOUSING, COVER	ASTM A-619	
HAND WHEEL	ASTM A-619	
FLAG INDICATOR	ASTM B-16	
YORK MECHANISM	ASTM A-283	
STEM BUSHING	ASTM B-16	
CONDUIT CONNECTOR	ASTM A-307	
O-RING(ALL)	EPDM GRADE E"	
COVER GASKET	NBR	

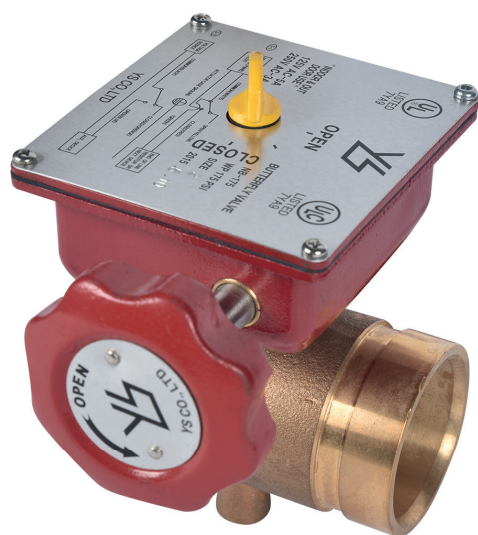


SPECIFIC DIMENSION							
SIZE (Inch)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
2"	114	60,3	57,15	16	8	49	90,5
2½"	114	75	69,1	16	8	54,5	95,5

## VALVES AND COUPLING FOR FIRE EQUIPMENT

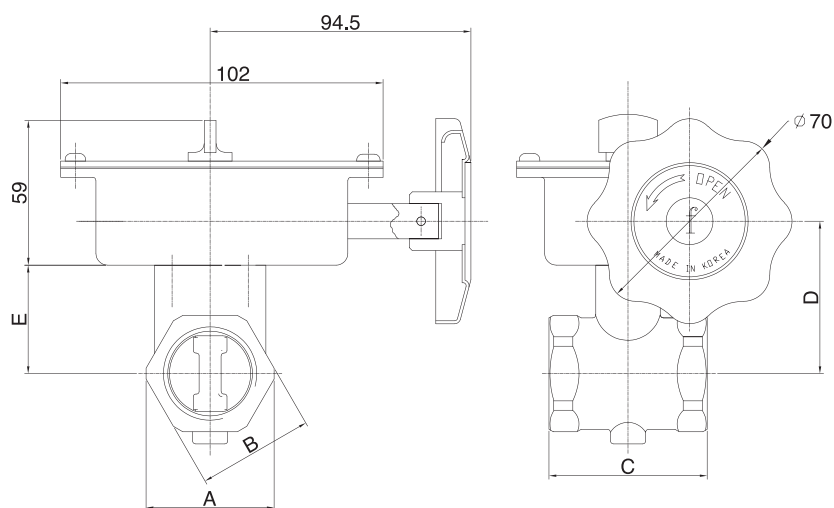
### ■ Bronze Butterfly Valve (Threaded Type) –

This Bronze Butterfly Valve is installed in a fluid flowing pipe. The disk in its body rotates at 90° in order to block or adjust fluid flow. This valve can be used indoor and outdoor, obtaining UL certificate. It is divided into Grooved Type and Threaded Type.



### SPECIFICATIONS

MODEL	YSBBV-T(25 ~ 65) - BRONZE BUTTERFLY VALVE	
TYPE	THREADED TYPE	
WORKING PRESSURE	1.2 MPa	
MAX. TEST PRESSURE	2.5 MPa	
MAX. WORKING TEMP.	120°C (250°F)	
TAMPER SWITCH	2 EA	
MATERIAL	BODY	ASTM B-505
	DISC	ASTM B-583 EPDM ENCAPSULATED
UPPER STEM	ASTM A-564 TYPE XM 12	
LOWER STEM	ASTM A-564 TYPE XM 12	
GEAR HOUSING, COVER	ASTM A-619	
HAND WHEEL	ASTM A-619	
FLAG INDICATOR	ASTM B-16	
YORK MECHANISM	ASTM A-283	
STEM BUSHING	ASTM B-16	
CONDUIT CONNECTOR	ASTM A-307	
O-RING(ALL)	EPDM GRADE E"	
COVER GASKET	NBR	



SPECIFIC DIMENSION					
SIZE (Inch)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
1"	43.7	39.7	54	52	37
1¼"	54	49	67	56	41
1½"	60	56	73	59	61.3
2"	76	70	82.4	64	49
2½"	90	84	104	69.5	54.5



## VALVES AND COUPLING FOR FIRE EQUIPMENT

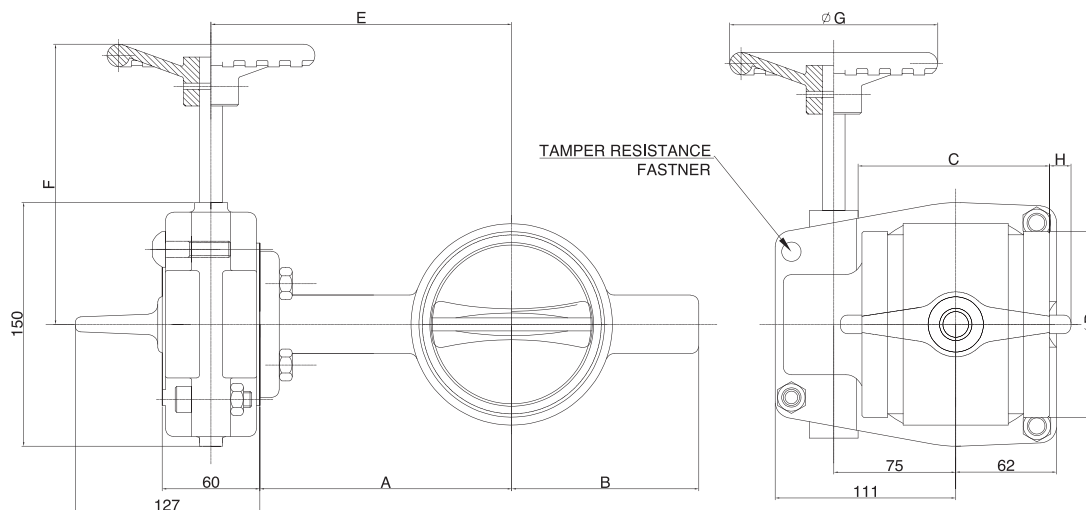
### ■ DCI Butterfly Valve (Grooved Type) –

The Grooved Type of DCI Butterfly Valve is used indoor. The body is coated with ductile cast iron Nylon, and the disk is covered with EPDM. It has UL certificate. Compared to the conventional Flange type, this type features simple pipe connection and easy installation.



### SPECIFICATIONS

MODEL	YSDBV-G(65 ~ 200) - DCI BUTTERFLY VALVE	
TYPE	GROOVED TYPE	
WORKING PRESSURE	1.2 MPa	
MAX. TEST PRESSURE	2.5 MPa	
MAX. WORKING TEMP.	120°C (250°F)	
TAMPER SWITCH	2 EA	
MATERIAL	BODY	ASTM A - 536 NYLON - 11 COATED
	DISC	ASTM A - 536 EPDM ENCAPSULATED
UPPER STEM	ANSI 420 - SS	
WORM GEAR SHAFT	ANSI 410 - SS	
HOUSING	ASTM A - 536	
HAND WHEEL	ASTM A - 536	
FLAG INDICATOR	ASTM A - 536	
	SHEAR PIN - ASTM 510	
SEGMENT GEAR	ASTM B - 148	
HOUSING GASKET	EPDM GRADE E"	
O-RING(ALL)	EPDM GRADE E"	



SPECIFIC DIMENSION								
SIZE (Inch)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
2½"	105	85	94.6	73	135	135	125	-
3"	112	92	96.4	174.3	142	135	125	-
4"	145	108	115.4	88.9	175	135	125	-
6"	180	145	123.4	168.3	210	193	225	11.2
8"	204	170	147.7	219.1	232	193	225	24

## VALVES AND COUPLING FOR FIRE EQUIPMENT

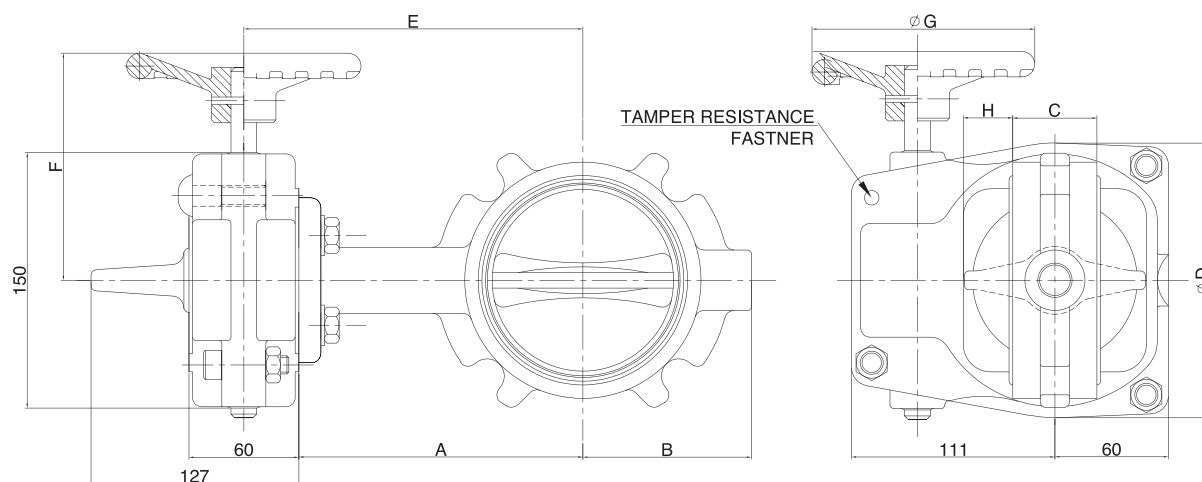
### ■ DCI Butterfly Valve (Wafer Type) –

The Grooved Type of DCI Butterfly Valve is used indoor. The body is coated with ductile cast iron Nylon, and the disk is covered with EPDM. It has UL certificate. Compared to the conventional Flange type, this type features simple pipe connection and easy installation.



### SPECIFICATIONS

MODEL	YSDBV-W(65 ~ 200) - DCI BUTTERFLY VALVE	
TYPE	WAFER TYPE	
WORKING PRESSURE	1.2 MPa	
MAX. TEST PRESSURE	2.5 MPa	
MAX. WORKING TEMP.	120°C (250°F)	
TAMPER SWITCH	2 EA	
MATERIAL	BODY	ASTM A - 536 EPDM ENCAPSULATED
	DISC	ASTM B - 148 Ni - Cr PLATED
UPPER STEM	ANSI 420 - SS	
WORM GEAR SHAFT	ANSI 410 - SS	
HOUSING	ASTM A - 536	
HAND WHEEL	ASTM A - 536	
FLAG INDICATOR	ASTM A - 536	
	SHEAR PIN - ASTM 510	
SEGMENT GEAR	ASTM B - 148	
HOUSING GASKET	EPDM GRADE E"	
O-RING(ALL)	EPDM GRADE E"	



SPECIFIC DIMENSION								
SIZE (Inch)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
2½ "	105	85	46	92	135	135	125	9.5
3 "	112	92	46	107	142	135	125	16
4 "	145	108	52	128	175	135	125	25
6 "	180	145	56	191	210	193	225	45.3
8 "	204	170	60	234	232	193	225	68.5

## VALVES AND COUPLING FOR FIRE EQUIPMENT

### ■ Hydrant Connection Stand Pipe

It is intermediate metal connection pipe to connect a fire hose.

- Connect with underground hydrant outlet or other fire facilities

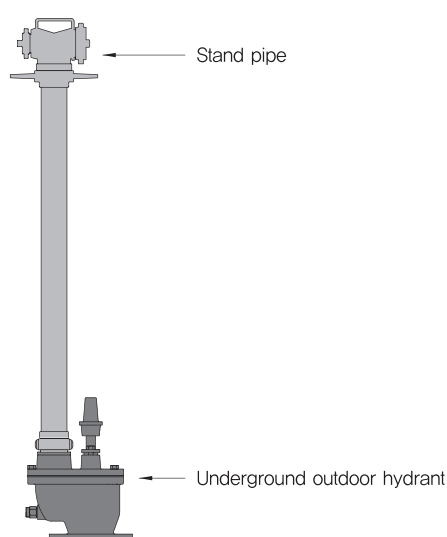
#### SPECIFICATIONS

MODEL	HYDRANT CONN. SIZE	HOSE CONN. SIZE	WORKING PRESSURE	MATERIAL	LENGTH
YSP-65A	FE65	(1) X FE65	1.5 MPa	BODY : AL-ALLOY COUPLING : BRONZE	1,100 mm
YSP-65B	FE65	(1) X FE65 (1) X FE40	1.5 MPa		
YSP-65C	FE65	(2) X FE65	1.5 MPa		



YSP-65B

Installation example



### ■ Pressure Reduce Device

These connectors are to depressurize working pressure. These are used when water discharge pressure exceeds the standard water pressure,



YRD-25



YRD-40A



YRD-40B



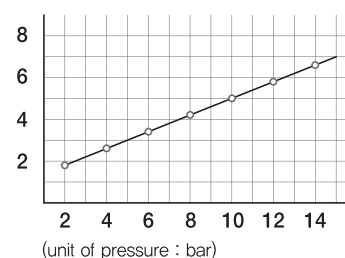
YRD-65A



YRD-65B

#### SPECIFICATIONS

MODEL	CONN. SIZE	TSET PRESSURE	LENGTH (mm)	MATERIAL
YRD-25	FE25 X FE25	2.0 MPa	24	AL-ALLOY
YRD-40A	FE40 X FE40		36	
YRD-65A	FE65 X FE65		54	
YRD-40B	FE40 X FE40		36	BRONZE
YRD-65B	FE65 X FE65		54	



## VALVES AND COUPLING FOR FIRE EQUIPMENT

### ■ Suction Coupling

This suction coupling is used when fire truck needs water. It works as connector in fire truck pump system to bring water from outside.



YSC-S65



YSC-S75



YSC-S100

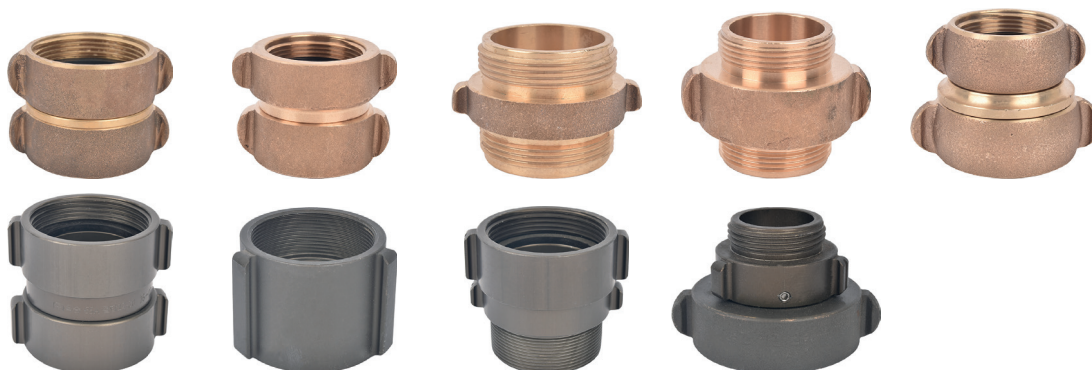
### SPECIFICATIONS

MODEL	OUTLET SIZE	TEST PRESSURE	MATERIAL	APPROVAL
YSC-S65	FE65 X FE65	4.0 MPa	AL-ALLOY	KFI APPROVED
YSC-S75	FE75 X FE75			
YSC-S100	FE100 X FE100			

### ■ Siamese Coupling

This bi-intermediate coupling act as a bridge for two different firefighting equipment. For example, fire hose and pipe have different screw standard requirements to make a product by the law. And our bi-intermediate coupling makes two different screw standard made products to be connected.

- Within our bi-intermediate coupling, different performance can be operated,
- There are many different screw type items made such as PT, FE, NH, NPSH, and etc..., are available



MODEL	SIZE	SPEC.
YSC-FF	25x25, 40x40, 65x65	FE(Female) * FE(Female)
YSC-MM		FE(Male) * FE(Male)
YSC-FM		FE(Female) * FE(Male)
YSC-PTMM		PT(Male) * FE(Male)
YSC-FMPT		FE(Female) * PT(Male)
YSC-PTFM		PT(Female) * FE(Male)
YRC-RFF	40X25, 65x25, 40x40, 65x40, 65x65	FE(Female) * FE(Female)
YRC-RFM	40X25, 65x25, 40x40, 65x40, 65x65, 100x65	FE(Female) * FE(Male)
YRC-FM	40x25, 65x25, 65x40, 75x65, 100x65, 65x75	FE(Female) * FE(Male)

## VALVES AND COUPLING FOR FIRE EQUIPMENT

### ■ Intermediate Coupling

It is used to reduce the size of firefighting equipment. For example, when screw size need to be reduced.

- 65A to 40A connector
- 40A to 25A connector



**YRC-MF65B**



**YRC-MF65A**

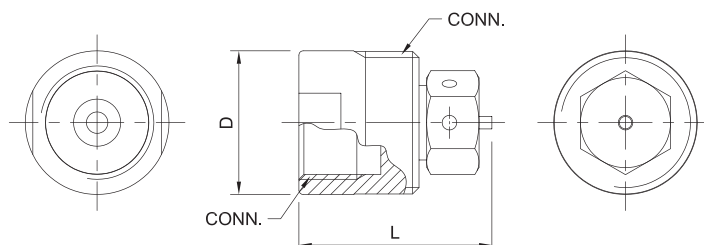
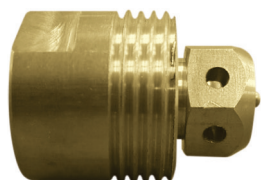
### SPECIFICATIONS

MODEL	SIZE	MATERIAL
YRC-MF(40X25)	FE40(Female) X FE25(Male)	AL-ALLOY
YRC-MF(65X25)	FE65(Female) X FE25(Male)	
YRC-MF(65X40)	FE65(Female) X FE40(Male)	
YRC-MF(65X40)B	FE65(Female) X FE40(Male)	BRONZE
YRC-MF(100X65)	FE100(Female) X FE65(Male)	AL-ALLOY
YRC-MF(100X75)	FE100(Female) X FE75(Male)	

### ■ Auto Drain Valve

This drain valve has automatic system attached to prevent residual water from freeze and burst after using firefighting equipment.

- Spring system is installed to prevent freeze and burst.
- After 0,06mpa pressure is perceived then automatically seat is blocked to prevent leak



MODEL	INLET	OUTLET	OPERATION	PRESSURE	MATERIAL	LENGTH
YAD-20	PF 3/4" (F)	PT 1" (M)	OPEN 0.03 MPa	CLOSE 0.06 MPa	BRASS	40 mm

### ■ Water Valve

Water valve is powder-coated with epoxy paint method in order to prevent corrosion and rust. And also, it is excellent to prevent water leaking problem compare to past water valve products because outside of the disk is coated with EPDM rubber to hold the door stronger.

- It last longer
- It is tighter than before

MODEL	SIZE	WORKING PRESSURE	MATERIAL
YWV-(100/150)	4" (100 mm) 6" (150 mm)	1.0~1.5 MPa	WORKING PRESSURE: 1.0 ~ 1.5 MPa WORKING TEMP.: 5 °C~ 60 °C MATERIAL BODY – CAST IRON DISC – EPDM RUBBER COATED





# FOAM EQUIPMENT



Foam Hydrant Cabinet  
 Line Proportioner  
 Foam Liquid Tank  
 Mobile Foam Trailer  
 (Monitor Attached) TYPE – B  
 Mobile Foam Unit (200 L)  
 Foam Liquid (AFFF / AR-AFFF [3%, 6%])  
 Foam Liquid (Alcohol 3%)

## FOAM EQUIPMENT

### ■ Foam Hydrant Cabinet

It is the most basic product among the foam systems. It can be used at a flow rate of 350 L / min. / it is possible to change the position of piping if necessary.

The front part of the cabinet is finished with Poly Carbonate for quick use of the contents.

- BS336, GOST, NH, QUICK Coupling can be possible.



Front



Inside Feature

### SPECIFICATIONS

MODEL	SIZE	MATERIAL	FOAM TANK CAPACITY	APPROVAL
YFH-FH100	Length : 1100(mm)	STS304 1.5 THK	100 L	KFI
YFH-FH200	Height : 1400(mm)		200 L	
YFH-FH300	Width : 550 (mm)		300 L	

### Contents

1. Foam tank (100L / 200L / 300L)
2. Fire hose (Double Jacket) 2 EA
3. Foam nozzle (65A)
4. Line proportioner

## FOAM EQUIPMENT

### ■ Line Proportioner

This proportioner item can be connected with fire hose or small foam tank to put out a fire. There is a pick-up tube where it sucks up mixed foam liquid.



**YLP-40**



**YLP-65**



**Pick-up hose connect**

### SPECIFICATIONS

MODEL	CONNECTION SIZE		DISCHARGE CAPACITY (0.7 MPa)	TEST PRESSURE	MATERIAL
	INLET	OUTLET			
YLP-40	FE40	FE40	120 ~ 180 L/min	2.0 MPa	Bronze
YLP-65	FE65	FE65	350 ~ 440 L/min		

\* Coupling style : NH, NPHS, CAP-LOCK, BS336, GOST, QUICK, NAKAJIMA available

\* KFI APPROVAL

## FOAM EQUIPMENT

### ■ Mobile Foam Trailer

The mobile foam trailer is suitable for installation in small dangerous goods storage places.

The product is equipped with a hose reel and it is loaded with anti-twist fire hose so that it can suppress the initial fire quickly without worrying about the twist of the fire hose in case of emergency, and it is convenient to rewind the fire hose after use .

A general fire water is available via pick-up hose valve.



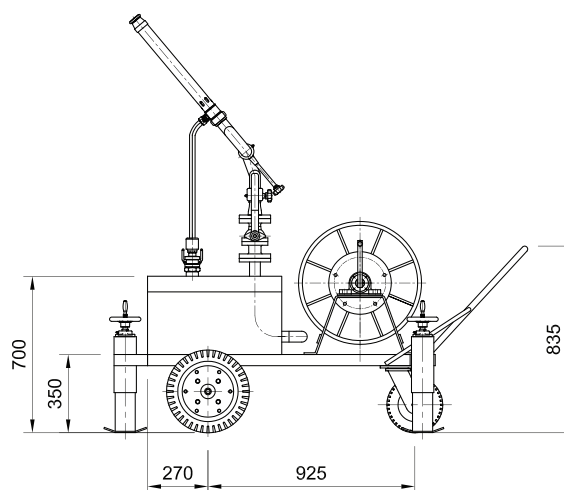
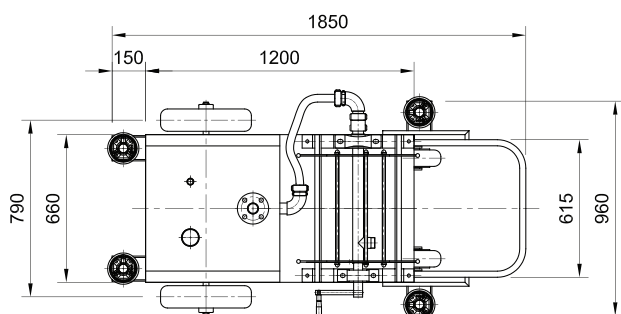
Example photo of the use the product.

## FOAM EQUIPMENT

### Mobile Foam Trailer Spec.

- **Model** : YFT-M120A
- **Type** : Hose-reel Foam trailer with monitor
- **Size** : 1735 X 1050 X 1200 (mm)
- **Main contents** : Mobile cart, Foam liquid tank, 40A Fire monitor (Lever), 40A foam Nozzle (Pick-up type), Hose-reel, Fire hose
- **Material**
  - 1) Mobile cart & Hose-reel : Carbon steel (or Stainless steel)
  - 2) Foam tank & Monitor : Stainless steel
  - 3) Nozzle : Al-alloy
  - 4) Fire hose : Custom order
- **Foam capacity** : 120 L
- **Shooting range** : Estimate 35 m (0.7 MPa)
- **Flow rate** : 300 L/min (0.7 MPa)
- **Foam ratio** : 3 %
- **Fire hose range** : 50 m

### Drawing Section



### Optional Pump Spec. (Option)

- **Type** : Centrifugal pump
  - **Size** : 779 X 261 (mm)
  - **Material** : Casting & Impeller - Stainless steel
  - **Power** : 380 V
  - **Flow rate** : Max, 28 m³/h
  - **H** : 47.9 m (Max)
  - **Inlet size** : DN 50
  - **Outlet size** : DN 50
  - **Motor** : 4 kW
  - **Weight** : 68.3 kg
  - **Connector type** : Cam-lock coupling
- IP 55

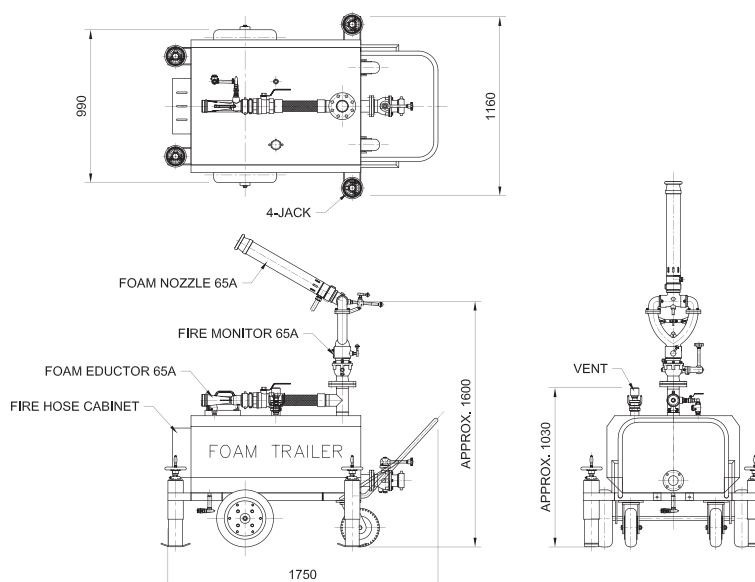


## FOAM EQUIPMENT

### ■ (Monitor Attached) TYPE – B

There is a fixing device on the floor, which is very advantageous for high pressure water shooting. Both monitor and fire hose are available and can be used simultaneously if required. Ofcourse it can use natural fire water with out foam by pick up valve.

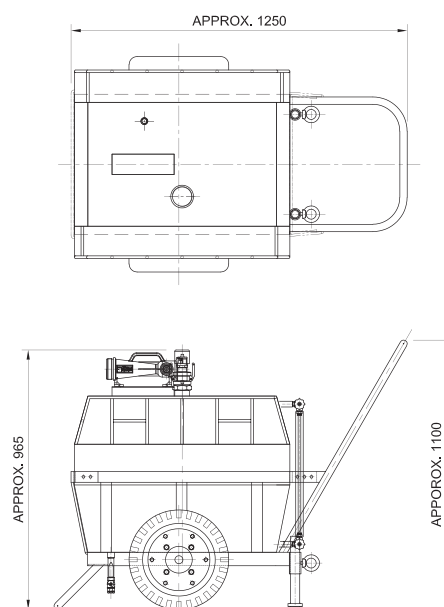
- **Model** : YFT-M400B
- **Foam tank** : 400 L
- **Shooting Range** : 30 m (0.35 MPa)
- **Useable time** : Around 17 min. (0.35 MPa)
- **Flow rate** : 800 LPM (0.35 MPa)
- **Included**
  - Fire Monitor (Lever or Gear)
  - Foam Eductor (65A)



### ■ Mobile Foam Unit (200 L)

There is a fixing device on the floor, which is very advantageous for high pressure water shooting. When do not use the cart, the contents can be safely loaded by cover.

- **Model** : YMFU-200L
- **Foam tank** : 200 L
- **Shooting Range** : 25 m (0.35 MPa)
- **Useable time** : Around 17 min. (0.35 MPa)
- **Flow rate** : 400 LPM (0.3 MPa)
- **Included**
  - Fire Hose (65A) 2 EA
  - Foam Eductor (65A) 1 EA
  - Air Vent 1 EA
  - Foam Nozzle (65A) 1 EA



## FOAM EQUIPMENT

### ■ Foam Liquid (AFFF / AR-AFFF 3% or 6%)

AFFF 3% is eco-friendly foam product. It is made with eco-friendly hydrocarbon and surfactant, natural polymers, solvents and fluorocarbon.

- AFFF is usually used to put out a gas, oil, or diesel fire.
- Mixing ratio would be 3% of AFFF and 97% of water.
- Penetration ability is outstanding and high adaptation ability on fresh water or seawater.



### SPECIFICATIONS

Apperance	Density (20℃)	pH	Viscosity at 86°F (30℃)	Pour Point
Yellow pale color	1.06g/ml±0.02	7.0 - 8.0	less than 10cPs	-22.5

### Applications

AFFF 3% and 6% has excellent hydroplaning to put out a fire. It has high-sealing ability for oil mist where it usually evaporates and it also covers large area.

#### Where to use

- Oil tank (or storage)
- Chemical factory (or storage)
- Oil transfer system
- Oil tank on a ship (or terminal)
- Areas where flammable liquid are used
- Automobile

### Approval

KFI (Korea Fire Institue)

## FOAM EQUIPMENT

### ■ Foam Liquid (Alcohol foam 3%)

Alcohol foam (3%) is excellent to use on polar solvents and hydrocarbon fuel fire. Moreover, penetration ability is outstanding and high adaptation ability on fresh water or seawater.

- Excellent fire-extinguishing foam product



### SPECIFICATIONS

Apperance	Density (20℃)	pH(20℃)	Viscosity at 86°F (30℃)	Pour Point
Dark brown color	1.07g/ml±0.02	7.0 - 8.0	less than 20cPs	-13

### Applications

Alcohol foam (3%) has excellent seal ability to oil mist, where it put out a fire strongly and safely

- For carbonized fuel fire, it creates excellent water screen formation to put out a fire.
- For polar solvents fire, it creates strong polymer membrane to put out a fire.

#### Where to use

- Oil tank (or storage)
- Chemical factory (or storage)
- Oil transfer system
- Oil tank on a ship (or terminal)
- Areas where flammable liquid are used
- Automobile

### Approval

KFI (Korea Fire Institute)

# HIGH PRESSURE FIRE FIGHTING EQUIPMENT



High Pressure Fire Hose

High Pressure Y-Coupling (2-Ways Ball Valve)

High Pressure Y-Coupling (3-Ways Ball Valve)

Anti-Twist Fire Nozzle

High Pressure Intermediate Coupling (Rotation Type)

High Pressure Check Valve

Special A-Frame

## HIGH PRESSURE FIRE FIGHTING EQUIPMENT

### High Pressure Fire Hose

It is a special fire hose to use when a massive fire occurs such as mountain fire, forest fire, high-rise building fire, and tunnel fire. This firefighting equipment is able to hold work-pressure more than 4.0 MPa. A high-pressure fire hose is double jacket made and has high durability, enhanced usability, safe, and speed of deployment due to our anti-twist coupling.

- To recognize fire hose in terrible condition, we have attached axial light and reflective sticker.
- 2013~2018 Seoul Metropolitan Fire & Disaster Headquarters choosed the best Item for the Forest fire fighting.

#### SPECIFICATIONS



YFH-D25H



YFH-D40H



YFH-D65H

SIZE	공통사항
Size : FE25 (1") X 30 (m) (15 ~ 100 (m) Can be manufacture)	
Size : FE40 (1-1/2") X 30 (m) (15 ~ 100 (m) Can be manufacture)	<b>Material</b> : TPU (Hose) Al-alloy (Coupling)  <b>Pressure</b> : Use – 4.0 MPa Test – 6.0 MPa Burst – 8.0 MPa  Attached with luminous and reflective sticker (Easy identification and securing of retreat)  Products passed KFI commissioned test  BS336, GOST, PT, NH, CAM-LOCK MACHINO coupling available.
Size : FE65 (1-1/2") X 30 (m) (15 ~ 100 (m) Can be manufacture)	

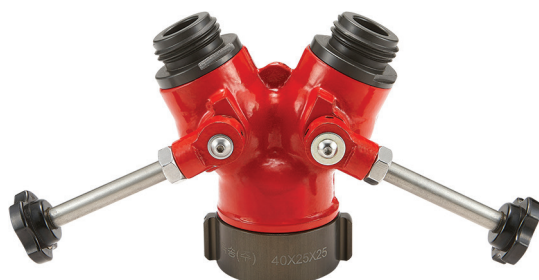


## HIGH PRESSURE FIRE FIGHTING EQUIPMENT

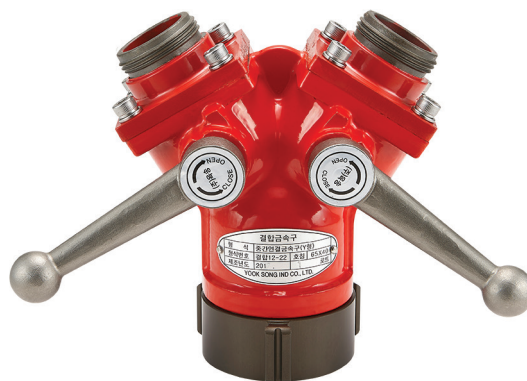
### ■ High Pressure Y-Coupling (2-Ways Ball Valve)

It is an item to use when a massive fire occurs such as mountain and high-rise building fire. It is able to hold up to 3.0 MPa pressure. This coupling is usually used when operation needs to spread out two-ways to put out a fire and a product is made with special aluminum alloy that prevents shatter phenomenon.

- Ball valve open and closes smoothly, where it able to use a product easier



**YYC-40**



**YYC-65A**

### SPECIFICATIONS

MODEL	INLET SIZE	OUTLET SIZE	USE PRESSURE	MATERIAL	APPROVAL
YYC-40	FE40	Two(2) X FE25 (1")	3.0 MPa	AL-ALLOY	KFI
YYC-65A	FE65	Two(2) X FE40 (1-1/2")			

### ■ High Pressure Y-Coupling (3-Ways Ball Valve)

It is basically same as above Y-Coupling (2-Ways Ball Valve), however, there is one more function attached compare to Y-coupling. The size of 65A fire hose can be connected with cross-coupling.



**YYC-65C3**

### SPECIFICATIONS

**Inlet Size** : FE65 (2-1/2")

**Outlet Size** : Two(2) - FE40 (1-1/2") X One(1) - FE65 (2-1/2")

**Use Pressure** : 3.0 MPa

**Material** : Al-alloy

## HIGH PRESSURE FIRE FIGHTING EQUIPMENT

### ■ Anti-Twist Swivel Fire Nozzle

Basic feature is same as ordinary water nozzle such as straight and fog-spray modes, but this product contains special function. When it connects to fire hose, it prevents twist phenomenon. This nozzle has anti-twist function and can be used in special situation, for example, it could be useful to put out forest fire.

- Compare to regular anti-twist nozzle, this is for high-pressure
- Excellent to hold and discharge high-pressure water
- Patented product (Korea)



**SPECIFICATIONS YHN-25AT**



**YHN-40AT**

SIZE	FE25 (1")	FE40 (1½")
FLOW RATE (0.7 MPa)	Over 310 L/min	Over 320 L/min
LENGTH (mm)	130	194
WEIGHT (kg)	0.36	0.7
MATERIAL	AL-ALLOY	
APPROVAL	KFI	

### ■ High Pressure Intermediate Coupling (Rotation Type)

It is able to bear up against more than 4.0 MPa high-pressure and easy to connect with other equipment because of rotating system.



**YRC-MFR(40X25)**



**YRC-MFR(65X40)**

### SPECIFICATIONS

MODEL	SIZE	USE PRESSURE	MATERIAL	APPROVAL
YRC-MFR(40X25)	FE40(F) X FE25(M)	4.0 MPa	AL-ALLOY	KFI
YRC-MFR(65X40)	FE65(F) X FE40(M)			

## HIGH PRESSURE FIRE FIGHTING EQUIPMENT

### ■ High Pressure Check Valve

This check valve is used for backdraft prevention of water due to back pressure when pump system stops. It is built to bear up against more than 4.0 MPa high pressure and product contains pressure gauge for user to see pressure easily.



YCV-40



YCV-65

### SPECIFICATIONS

MODEL	YCV-40	YCV-65
SIZE	FE40 (1½")	FE65 (2½")
USE PRESSURE	4.0 MPa	
MATERIAL	AL-ALLOY	

### ■ Special A-Frame

When massive fire occurs, with this A-frame, people can transfer supplies faster and easier on foot. It is usually used for a place where automobile or any other transfer are not allowed to enter. A product itself has light weight and able to carry up to 150kg.



YSI-AF

### SPECIFICATIONS

**Maximum Allowable Load :** 150 kg

**Material :** Al-alloy (Frame), Artificial Leather (Seat)

**Weight :** 2.7 kg

# PORTABLE FIRE EXTINGUISHER



HALOTRON-1 Portable Fire Extinguisher 2.5/3.3 kg  
ABC Dry Chemical Fire Extinguisher

## PORTABLE FIRE EXTINGUISHER

### ■ Halotron-1 Portable Fire Extinguisher 2.5 Kg / 3.5 Kg



Our fire extinguisher is the first domestically developed fire extinguisher using Halotron-1 (manufacturer: American Pacific), to replace an existing Halon fire extinguishing agent. And within Halotron-1, we are the first manufacturer made gas-type fire extinguisher and compare to other products, our fire extinguisher with Halotron-1 shows better performance to put out a fire. The Halotron-1 also has remarkably low ozone depletion potential (ODP), global warming potential (GWP), and harmless to human body compare to other fire extinguishing agents. This product does not cause secondary-damage after use, it can be used in an important institution and electrical facility.

- Attached special plate made of phosphorescent material sticker to identify a product easily in a dark or smoky situation.
- It is best quality made product to put out an initial fire.



YSFE-H2.5



YSFE-H3.5

### SPECIFICATIONS

Model	YSFE-H2.5	YSFE-H3.5
Certificated Number	Hydrogen08-33	Hydrogen 05-12-1
Agent	HCFC BLEND B	
Agent's Weight	2.5kg	3.5kg
Total weight	4.5kg	6.4kg
Ability level	1A, 2B, C	1A, 3B, C
Use time	10sec	15sec
Use distance	3 ~ 4m	

Use temperature	-20 ~ 40℃	
Capacity	2.4L	4L
Pressure	6.4~10.4kg/cm <sup>2</sup>	
Accumulator gas	Argon	
Safety valve operating temperature	72℃	
Container material	Stainless steel	Aluminium
Container test pressure	25.5kg/cm <sup>2</sup>	24.5kg/cm <sup>2</sup>

### COMPARATIVE TABLE

PRODUCT TYPE	HALOTRON-1	NOVEC1230	HFC236fa(FE-36)	HFC227ea(FM200)
CHEMICAL FORMULA	C <sub>2</sub> HCL <sub>2</sub> F <sub>3</sub> +Proprietary Gas	CF <sub>3</sub> CF <sub>2</sub> C(O)CF(CF <sub>3</sub> ) <sub>2</sub>	CF <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	CF <sub>3</sub> CHFCF <sub>3</sub>
MAIN PURPOSE OF USE	Extinguishing Fire	Extinguishing Fire	Extinguishing Fire	Extinguishing Fire
KFI EXTINGUISHER RATING	A1, B3, C	A1, B1, C	A1, B1, C	B2, C
KFI APPROVAL (AGENT)	YES	YES	YES	YES
KFI APPROVAL(P.EXTINGUISHER)	YES	YES	YES	NO
UL APPROVAL	YES	YES	YES	YES
NFPA-10 APPROVAL	YES	YES	YES	YES
Ozone Depletion Potential	0.014	0	0	0
Global Warming Potential	77	0.014	6300	2900
PRODUCT MANUFACTURE CO.	YOOKSONG Only	The Others	The Others	The Others
FAA AIRPORT EXTINGUISHER APPROVAL	YES	• Among the existing clean fire extinguishers, the ODP and GWP indexes are not the lowest, but their values are low values that do not harm the environmental factors, and the extinguishing ability is superior to other products.		
FAA INSIDE OF AIRPLANE EXTINGUISHER APPROVAL	YES			

### ■ ABC DRY CHEMICAL POWER EXTINGUISHER

It is made as accumulator type. When a powder product is used, it absorbs fire heat to create carbon gas (CO<sub>2</sub>), water molecule (H<sub>2</sub>O) and metaphosphoric acid (HPO<sub>2</sub>) to put out a fire. It is used in class A (general fire), class B (oil fire), and class C (electric fire).

### SPECIFICATIONS

MODEL	AGENT WEIGHT(kg)	TOTAL WEIGHT(kg)	HEIGHT (mm)	DIAMETER (mm)	EXTINGUISHER RATING	DURABLE TIME(sec)	USE DISTANCE(m)
YSFE-P1.5	1.5	2.58	340	110	A2, B3, C	10~12	4~5
YSFE-P2.5	2.5	4.4~4.6	405	125	A2, B4, C	11~13	
YSFE-P3.3	3.3	5.61	460	155	A3, B4, C	12~14	



YSFE-P3.3



YSFE-P1.5



# DESCENDING LIFE LINE SYSTEM



Descending Life Line  
Descending Life Line Hanger  
Descending Life Line Foot Board

## DESCENDING LIFE LINE SYSTEM

### ■ Descending Life Line

For a safe escape, it is assembled traditional brake lining. It is made with excellent corrosion resistance, abrasion resistance, and water-proof. The safety of the coefficient of friction is high while temperature rises, and then a product is easy to use where children and elder are able to escape from a building without any help of other. The length of rope is different depending on the number of stories.

• Mainly installed in apartment, hospital, school, hotel, motel, and etc.,



#### SPECIFICATIONS

MODEL	YDL - 01
WEIGHT	5.3 kg (BASED ON 15m) PER 3m ± 242 g
DESCENDING SPEED	70~100 cm/sec.
TEST LOAD	390 kg
WORKING LOAD	150 kg
MAX. NUMBER OF USER	1 person (1 at a time, repeatedly useable)
APPROVAL	KFI APPROVED

#### HOW TO ESCAPE

- 

Tighten the hook to the hanger
- 

Throw the rope to the ground
- 

Stick the safety Belt to the side.
- 

Comes close to the outer wall of the building and slowly comes down.



#### SPECIFICATIONS

MODEL	YDL-02
WEIGHT	5.3 kg (BASED ON 15m) PER 3m ± 242 g
DESCENDING SPEED	70~100 cm/sec.
TEST LOAD	390 kg
WORKING LOAD	150 kg
MAX. NUMBER OF USER	1 person
APPROVAL	KFI APPROVED

#### EACH FLOOR FOR LIFE LINE'S LENGTH

3rd	9 m
4th	12 m
5th	15 m
6th	18 m
7th	21 m
8th	24 m
9th	27 m
10th	30 m
11th	33 m
12th	36 m
13th	39 m
14th	42 m
15th	45 m

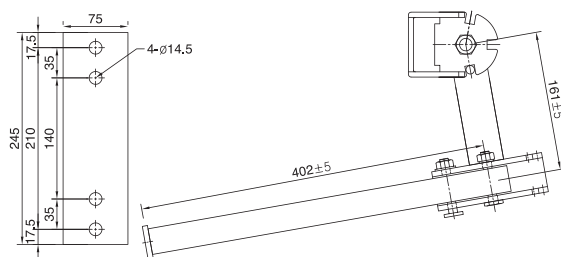
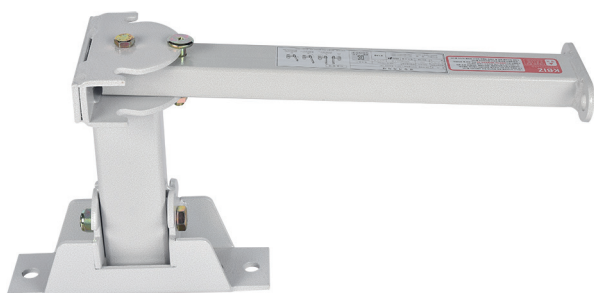
## DESCENDING LIFE LINE SYSTEM

### ■ Descending Life Line Hanger

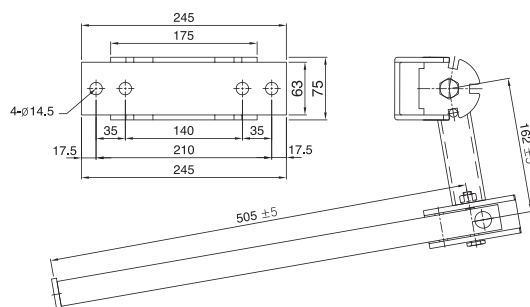
It is a hanger to hook life line when people need to escape from a building. It can be installed any column or wall. In ordinary day a product is folded down for storage, but when necessary a person must follow the direction to install to escape.

• Installation followed by direction is easy

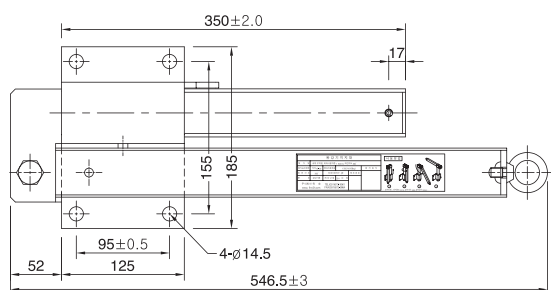
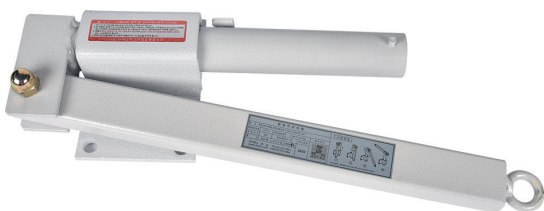
**YDH-01** Side back attached type (2 folded)



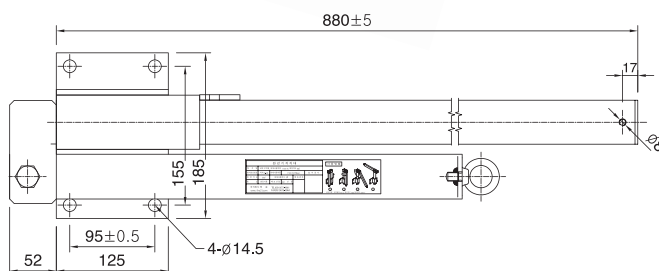
**YDH-02** Side back attached type (2 folded) (Long)



**YDH-03** Under window attached type



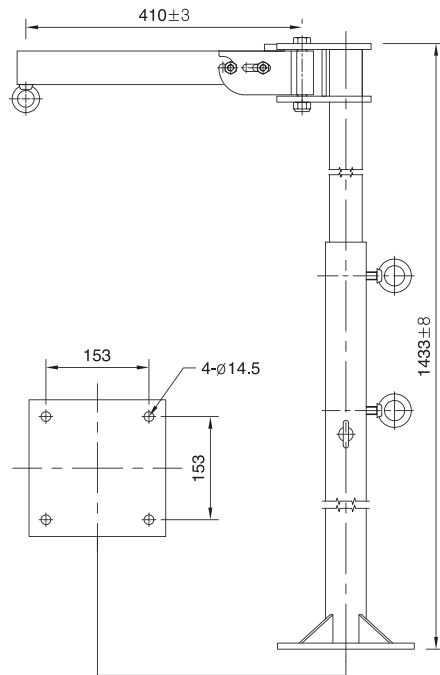
**YDH-04** Under window attached type (Long)



## DESCENDING LIFE LINE SYSTEM

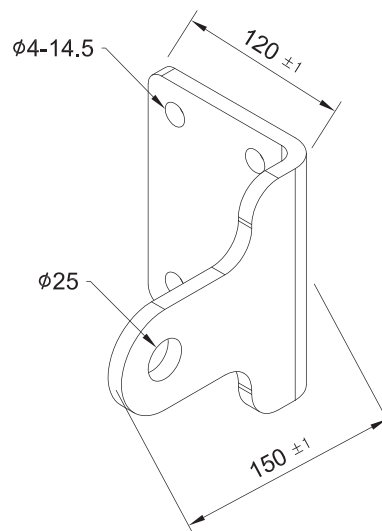
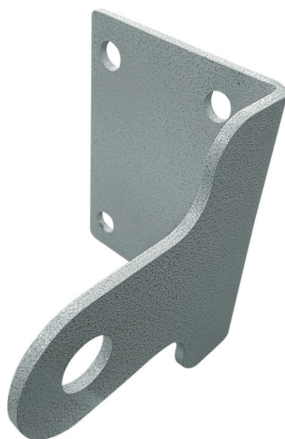
### ■ Descending Life Line Hanger

#### YDH-05 Floor attached type (Stand type)



#### YDH-06 Outdoor type

A product is for a building outer wall. People might get worry about corrosiveness due to rain, but our product body is STS material made which is anti-corrosiveness. In addition, a product is powder coated to strength the anti-corrosiveness even further where people do not have to worry about the corrosion.



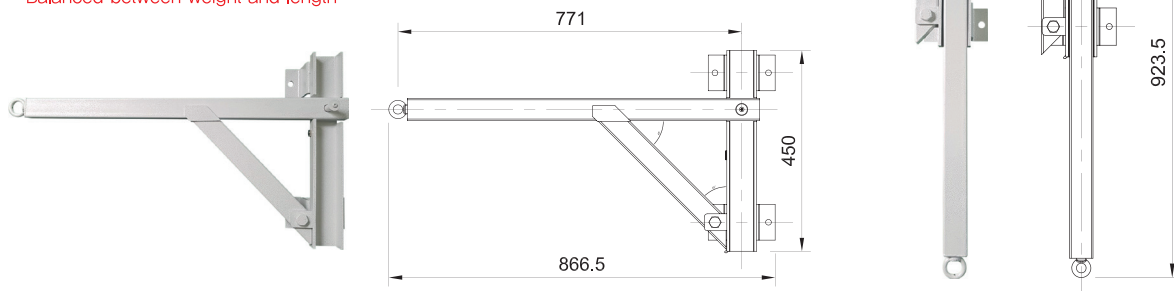
## DESCENDING LIFE LINE SYSTEM

### ■ Descending Life Line Hanger

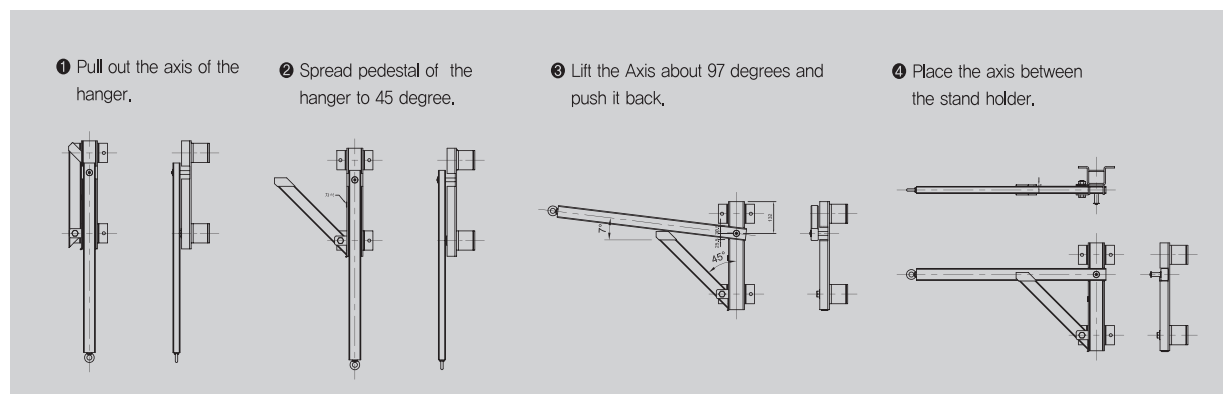
#### YDH-07 Super long type

Longer version of descending life line hanger is 200mm longer than original version.

- It is used in specialized building
- Balanced between weight and length



#### How to use



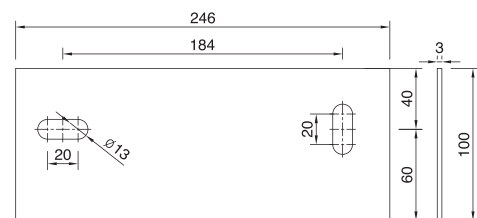
### ■ Descending Life Line Foot Board

#### YDF-01 2 hole type

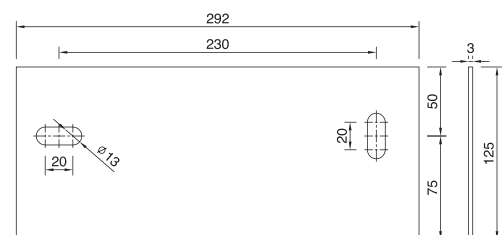
#### YDF-02 3 hole type



It is installed when the bottom of an opening is 1.2m from the ground to use descending life line and hanger safely.



SIZE : 254(LENGTH) X 183(HEIGHT)



SIZE : 300(LENGTH) X 200(HEIGHT)



## FIRE PUMP ACCESSORIES



Water Hammer Arrester (Bladder type) (KFI)

Water Hammer Arrester

Flow Meter (For Fire Piping)

Electric Pressure Switch

Water Spray Nozzle (Spiral Type)

## FIRE PUMP ACCESSORIES

### ■ Water Hammer Arrester (Bladder type) (KFI)

It is a special water hammer prevention device developed by Bladder type.

The performance is very good and the interior finish is very thorough to cope with corrosion.

#### Material

1. Body : GC200
2. Bolt : Stainless Steel
3. Bladder : EPDM Rubber



Model	YWH-B40	YWH-B50	YWH-B65	YWH-B80	YWH-B100	YWH-B125	YWH-B150	YWH-B200
Size	40A	50A	65A	80A	100A	125A	150A	200A
Flange B.C.D(mm)	105	120	140	150	175	210	240	290

- Approval : KFI
- Finest Bladder type!
- Upper flange type (easy to After service)
- Various sizes (40A ~ 200A)

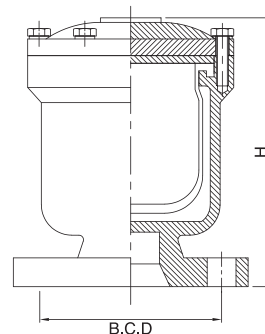
### ■ Water Hammer Arrester

It protects pipe from the pressure fluctuation of water hammer.

Use: delivery pump, pump standpipe, top of the pump, deflected pipe point, and reducing pipe.

#### GAS TYPE

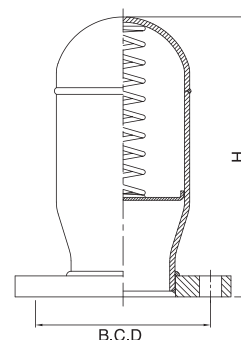
MODEL	SIZE	B.C.D (mm) ± 0.5
YWH-G40	40	105
YWH-G50	50	120
YWH-G65	65	140
YWH-G80	80	150
YWH-G100	100	175
YWH-G125	125	210
YWH-G150	150	240
YWH-G200	200	290



## FIRE PUMP ACCESSORIES

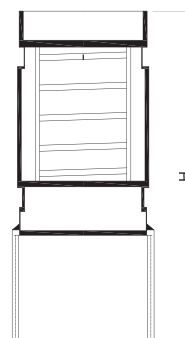
### SPRING FLANGE TYPE

MODEL	SIZE	B.C.D (mm) ± 0.5
YWH-S40	40	105
YWH-S50	50	120
YWH-S65	65	140
YWH-S80	80	150
YWH-S100	100	175
YWH-S125	125	210
YWH-S150	150	240
YWH-S200	200	290





### SPRING THREADED TYPE

MODEL	SIZE	
YWH-T40	40	PF THREADED
YWH-T50	50	



MODEL	Bladder type							Spring flange type								Spring thread type				
CONN. SIZE (mm)	40	50	65	80	100	125	150	40	50	65	80	100	125	150	200	40	50	65	80	100
H (mm)	170	178	187	227	227	249	249	215		200		225				175	180	190	205	250
WAY OF WORKING	Bladder, with air							Spring								Spring				
MATERIAL	BODY (CAST IRON), BELLOWS (RUBBER)							STEEL STRUCTURE (SS400)								STEEL STRUCTURE (SS400)				
CONNECTION TYPE	KS B 1511 (10/20)K FF FLANGE															THREADED				
TEST PRESSURE	2,0 MPa																			
WORKING PRESSURE	1,0 / 2,0 MPa																			

### GROOVE TYPE (GAS / SPRING)

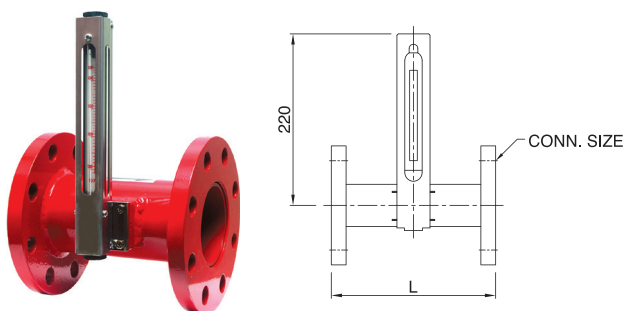
MODEL	SIZE	 	
YWH-R40	40		
YWH-R50	50		
YWH-R65	65		
YWH-R80	80		
YWH-R100	100		
YWH-R125	125		
YWH-R150	150		
YWH-R200	200		
TYPE		GAS	SPRING
MATERIAL		BODY (CAST IRON)	STEEL STRUCTURE (SS400)
WORKING PRESSURE		1.0 OR 2.0 MPa	
TEST PRESSURE		2.0 OR 4.0 MPa	

## FIRE PUMP ACCESSORIES

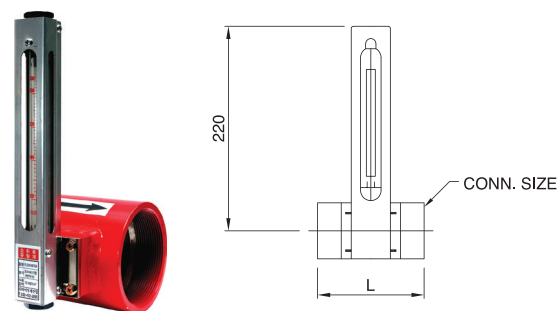
### ■ FLOW METER

It is a differential pressure area equipment used the Bernoulli's law and the law of conservation of mass to measure a flow amount. In addition, item is built to hold high temperature, high pressure, and overload.

- A product's installation is easy to follow
- A product's surface is smooth to prevent pressure loss



**YWM-F(40~150) (FLANGE TYPE)**



**YWM-T(32~80) (THREAD TYPE)**

### SPECIFICATIONS

Type	Flange type	Threaded type
Apply for	Water (물)	
Working pressure	Below 1.0 MPa OR 2.0 MPa	
Test pressure	1,5 MPa	
Connection method	Flange	Threaded
Working temp.	Below 80 °c	
Material	Body (SGP / SS400)	
	Meter BASE (SS400)	
	Taper tube (P,C)	
Error range	± 2 %	

### DIMENSION

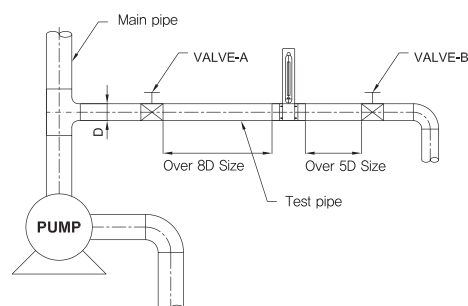
SIZE	Threaded TYPE		FLANGE TYPE	
	L		L	CODE
32A	80	PT THREADED	200	KS B 1511 10K FF FLANGE
40A	90		200	
50A	90		200	
65A	100		200	
80A	100		200	
100A			200	
125A			200	
150A			200	

### SPECIFICATIONS BY EACH MODEL

Model	Size		Flow rates (ℓ / min )	Gradation per each level (ℓ)	Connection method
	mm	Inch			
YWM-T32	32	1-1/4"	70~360	10	Threaded
YSFM-T40	40	1-1/2"	110~550	10	Threaded
YWM-F40					Flange
YWM-T50	50	2"	220~1,100	10	Threaded
YWM-F50					Flange
YWM-T65	65	2-1/2"	450~2,200	50	Threaded
YWM-F65					Flange
YWM-T80	80	3"	700~3,300	100	Threaded
YWM-F80					Flange
YWM-F100	100		900~4,500	100	Flange
YWM-F125	125		1,200~6,000	100	Flange
YWM-F150	150		2,000~10,00	200	Flange

The figure on the right is an example of how to install a flow meter.

1. A straight pipe with a certain distance is required when installing the flow meter.
2. The diameter of the main pipe and the test pipe need not be the same. However, the test piping and flow meter specifications must be the same.
3. In order to measure the flow accurately, it is necessary to check whether the inside is cleaned or not to ensure smooth fluid flow.
4. When measuring the flow rate, refer to the upper part of the float.



## FIRE PUMP ACCESSORIES

### ■ Electric Pressure Switch

The electronic pressure switch is a perfect complement to the existing pressure chamber.  
The digital display can more accurately measure the value. (Can be set to 2 decimal places)  
It can be installed even if the installation space is narrow, and it can be easily installed by screwing.



**YEP-10K**



**YEP-20K**

Model	YEP-10K		YEP-20K	
Use pressure	10 kg/cm <sup>2</sup> (1.0 MPa)		20 kg/cm <sup>2</sup> (2.0 MPa)	
Rated voltage	DC 24V	Rated current		80 mA (Max)
Size	163 X 226 X 52 (mm)			

### What is good?

- 1) Easy to set Pump start / stop and accurate (setting to 2 decimal places)
- 2) Can be installed in a small space
- 3) Built-in termination resistor
- 4) Pump pressure indication does not require a pressure gauge.
- 5) DC 24V
- 6) 1 Switch can control 5 pumps

### Notice

- 1) Disconnection of DC24V power supply is prohibited during normal operation.
- 2) When setting the pressure, remove the inside air with the test valve and proceed.
- 3) If pump operation is continued due to maintenance of automatic contact, etc., take necessary measures by using contact relay.

### How to check

- 1) Store in a dry place with low humidity
- 2) When installing outdoors, cover with a roof to prevent rain, and to prevent frost in winter.
- 3) After installation, be sure to check at least once a year.



## FIRE PUMP ACCESSORIES

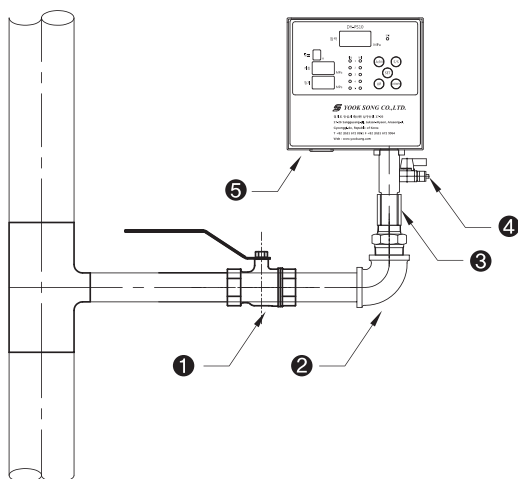
### SPECIFICATIONS

MODEL	USE PRESSURE RANGE	PUMP START PRESSURE RANGE	PUMP STOP PRESSURE RANGE
YEP-10K	0.00 ~ 1.00 MPa	0.11 ~ 0.99 MPa	0.12 ~ 1.00 MPa
YEP-20K	0.00 ~ 2.00 MPa	0.11 ~ 1.99 MPa	0.12 ~ 2.00 MPa

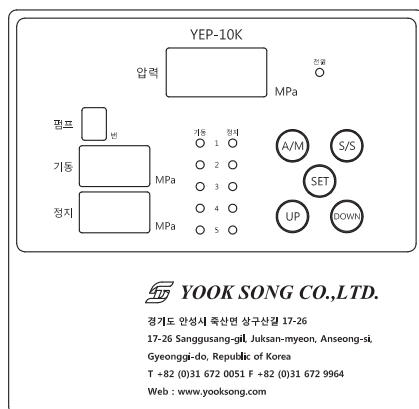
MATERIAL	BODY	STS304 (KS D 3706)
	PRESSURE INDICATOR	

### Drawing of the installation (10 K, 20 K)



#### Component List

- ① 25A Ball valve
- ② 25A Elbow
- ③ 25A X 15A Bushing
- ④ Test valve
- ⑤ Switch



#### How to set

- 1) Push SET UP, DOWN together for more than 3 seconds.
- 2) When pump display flashing, push UP or Down  
(You can change the pump)
- 3) When you finish to select pump, push the SET key, then push UP, DOWN button for setting pump start pressure
- 4) Push SET key one more time, then setting pump stop pressure by UP, DOWN button
- 5) When you finish to setting, push SET button for 3 seconds, then setting will be save.

## FIRE PUMP ACCESSORIES

### ■ Water Spray Nozzle (Spiral Type)

This spiral nozzle is designed for special place, such as chemical industry, electrical system installed place, and ammunition.

It makes very small water mist by specially designed spiral.

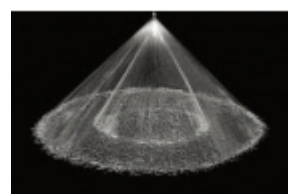
**TYPE :** SPIRAL TYPE

**SPRAY PATTERN :** FULL CONE TYPE

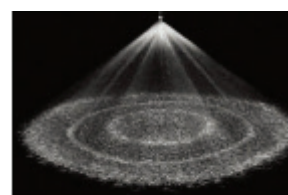
**SIZE :** NPT or PT 1/2", 3/4", 1", 1-1/2"

**SPRAY ANGLE :** 90° / 120°

**MATERIAL :** BRASS w/ Ni-Cr Plated



Full Cone 90°, SPIRAL



Full Cone 120°, SPIRAL

### SPECIFICATIONS

Model	Size	Flow Rate (0.35 MPa)	Remarks
YSN-S15A	1/2"	20 LPM	KFI APPROVED
YSN-S15B		40 LPM	
YSN-S15C		65 LPM	
YSN-S15D		80 LPM	
YSN-S15E		100 LPM	
YSN-S15F		120 LPM	
YSN-S15G		140 LPM	
YSN-S20A	3/4"	100 LPM	
YSN-S20B		140 LPM	
YSN-S20C		180 LPM	
YSN-S25A	1"	180 LPM	
YSN-S25B		285 LPM	
YSN-S40A	1-1/2"	400 LPM	
YSN-S40B		550 LPM	
YSN-S40C		720 LPM	

## SMALL SPACE AUTOMATIC FIRE SUPPRESSION SYSTEM



Small Space Automatic Fire suppression system

## SMALL SPACE AUTOMATIC FIRE SUPPRESSION SYSTEM

### ■ Small Space Automatic Fire suppression system

It prevents a large fire that starts at electrical boxes,  
by small high pressured gas (HFC-125)

#### Who am I?

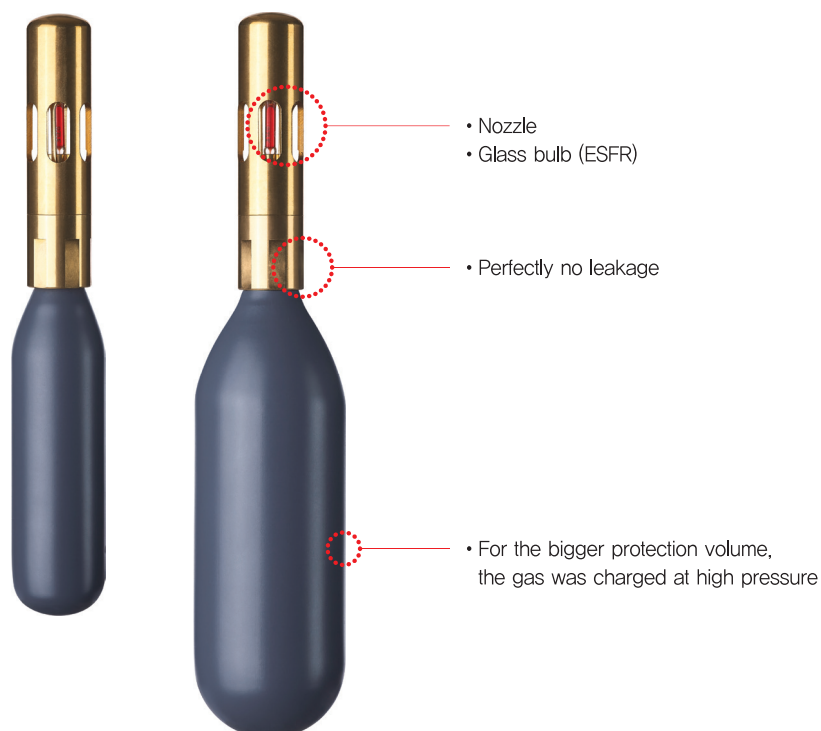
1. I am really easy to install and no need after service.
2. I check 24/7, 365 days that place people can not check easily.
3. I am very small, however when I fight with fire, my volume gets bigger 70 times .

### SPECIFICATIONS

MODEL NO.	YSS-40	YSS-120	YSS-360
Protect space (m <sup>3</sup> )	0,04	0,12	0,36
Temperature range	Lower than 40 degree		
Working temperature	68 <ESFR>		
Agent (Pressured gas)	HFC-125 (N )		
Agent Volume	1,4 L	4,2 L	12,6 L
D X L (mm)	25 X 163	40 X 192	40 X 328
Installation spot	Anywhere		
Certification	KFI		

### Product Spec.

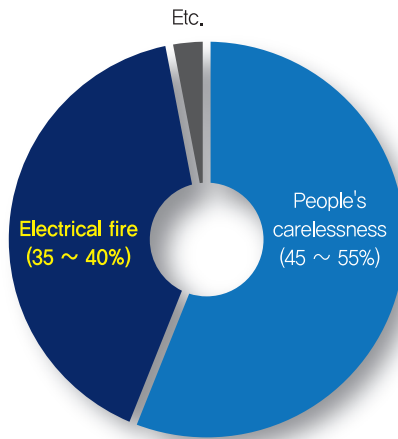
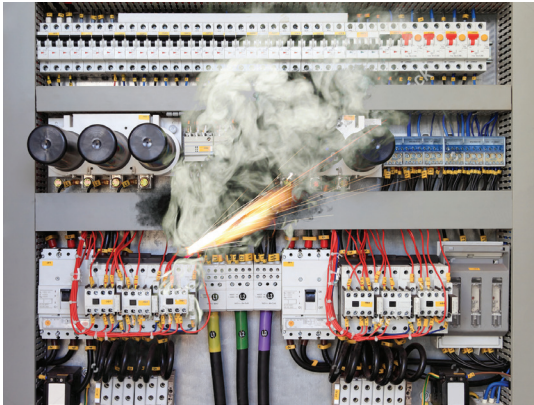
Perfectly small and light weight



## SMALL SPACE AUTOMATIC FIRE SUPPRESSION SYSTEM

### Why electrical fire prevention & suppression is very important?

Because majority of big fires started with electrical device problem.



### 7 Unique features



### Installation location and method

Super strong magnetic with one touch installation.



Electric fires are caused by short circuit, summation, overheating, etc., and they often occur in electric switchboards, computer room MCCs, solar ESS, home appliances, electronic products, and electrical operation panels.

For prevent these kind of disaster, we recommend <SSAF>



### Mission of the SSFAF

<Mission> Early detect fire, automatically suppression, and prevents large fire disaster.



## SPECIAL FIRE EQUIPMENT

### ■ Hydrant Wrench

It is a wrench that is used to open and close the outlet of outdoor hydrant.



**YHW-100**



**YHW-T1**

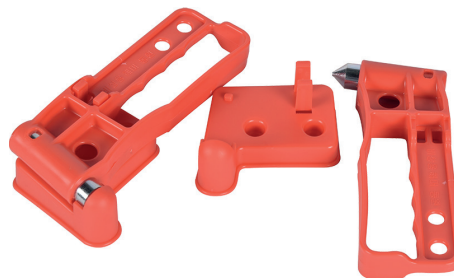
MODEL	LENGTH (mm)	MATERIAL	APPLICATION
YHW-100	243.5	CAST IRON	OUTDOOR HYDRANT
YHW-T1	1055 OR 1200	CARBON STEEL	UNDERGROUND HYDRANT & GATE VALVE

### ■ Hose Wrench



**YHS-65T**

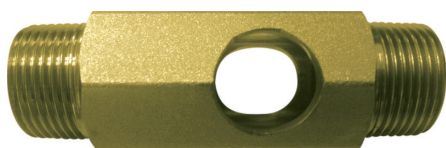
### ■ Emergency Hammer



### ■ Sight Glass

It is a product for the end test piping of an installed pipe of an alarm valve.

It can be used by connecting to the drainage line at the bottom of the alarm valve drain valve, and visually checking whether the drain valve is leaking.



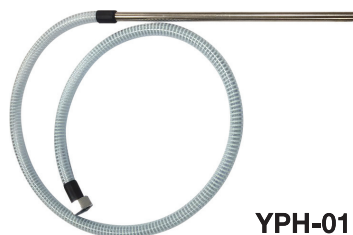
**YSG-25**

MODEL	SIZE	CONNECTION SIZE	MATERIAL
YSG-25	1" (25 mm)	IN(MALE 1" (25 mm) X OUT FEMALE 3/4" (20 mm)	BRONZE

### ■ Pick-up Hose

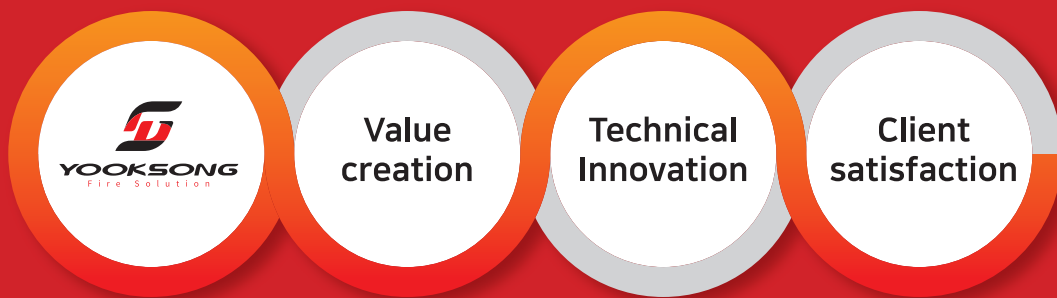
Pick-up hose is for suction foam concentrate from the drum.

Length of the hose is custom order.



**YPH-01**

MODEL	SIZE	LENGTH
YPH-01	PT 3/4"	CUSTOM ORDER





YOOKSONG CO., LTD.

YC20-E(S)\_Rev.1\_2020.1

17-26, Sanggusan-gil, Juksan-myeon, Anseong-si, Gyeonggi-do, Korea

**T** +82-(0)31-672-0051 **F** +82-(0)31-672-9964 **H** [www.yooksong.com](http://www.yooksong.com)