MEIDE GROUP | MECH

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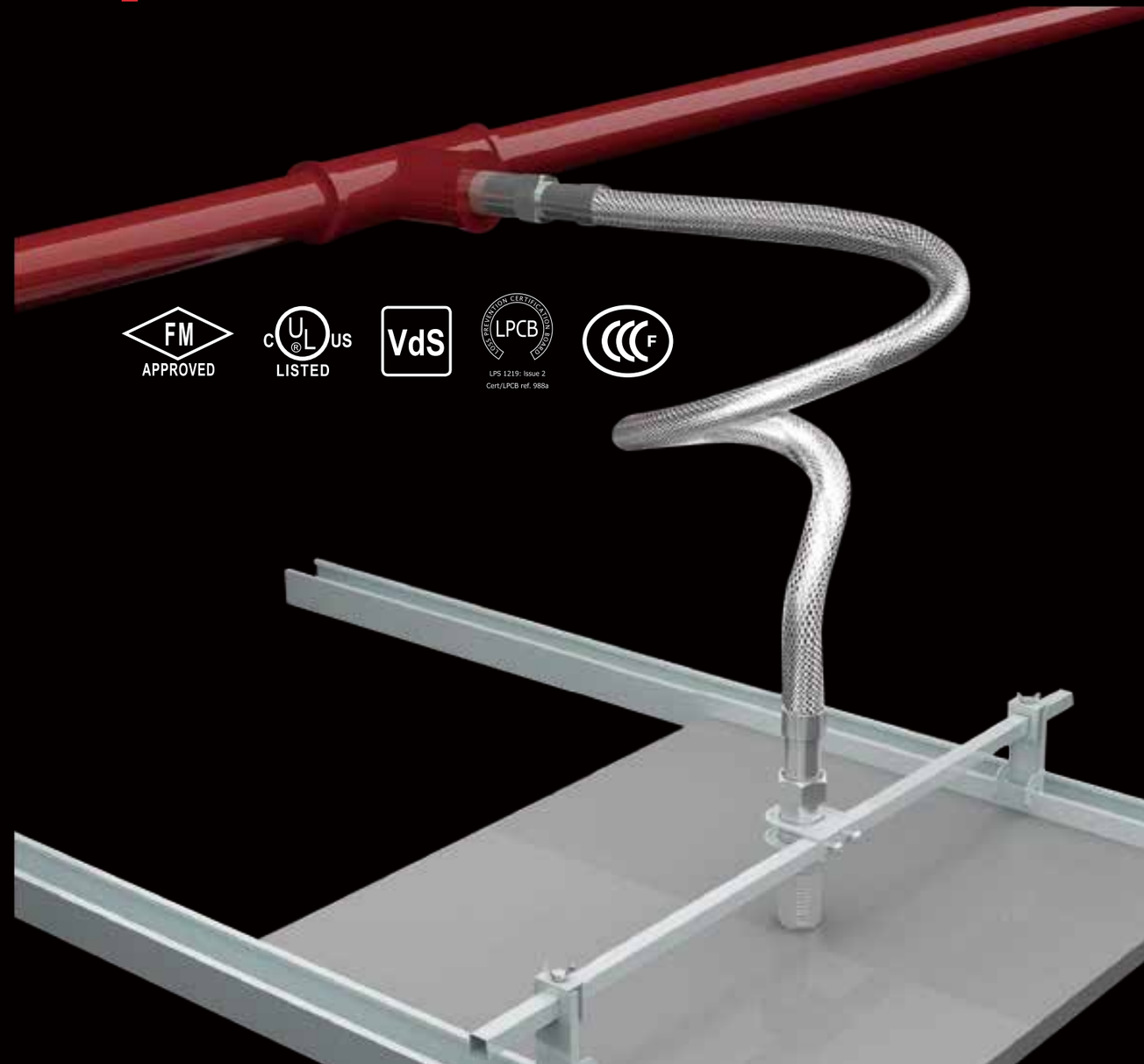
Please contact the sales manager for the details of the catalogue

UPDATED 05/2025

MEIDE GROUP | MECH

New scheme of Automatic Sprinkler System

Stainless Steel Flexible Hose





COMPANY PROFILE

60 YEARS MANUFACTURING 130 COUNTRIES DISTRBUTED

MEIDE GROUP

Meide Group was founded in 1961. After 60 years of development, it has become a large multinational conglomerate that mainly provides products and related technical services in fluid conveying, metering, power, cast iron, grouting sleeves, etc.
Meide is the world's leading provider of fluid conveying industry, covering all kinds of steel pipes, valves, malleable iron pipe fittings, grooved fittings, stainless steel fittings, carbon steel fittings, metal hoses, water meter, support and hanger, ring lock scaffold, counterweight iron and other products. In addition, we also provide intelligent production solutions such as stereoscopic warehouses. Having many production bases such as Jinan, Linyi, Taian, Weihai, Hebi, Zhaoqing, Bangkok, Thailand and Vietnam, which makes a cross-regional, multi-base and international development pattern.

玫德集团 MEIDE GROUP **Founded in 1961, global fluid conveying solution expert.**

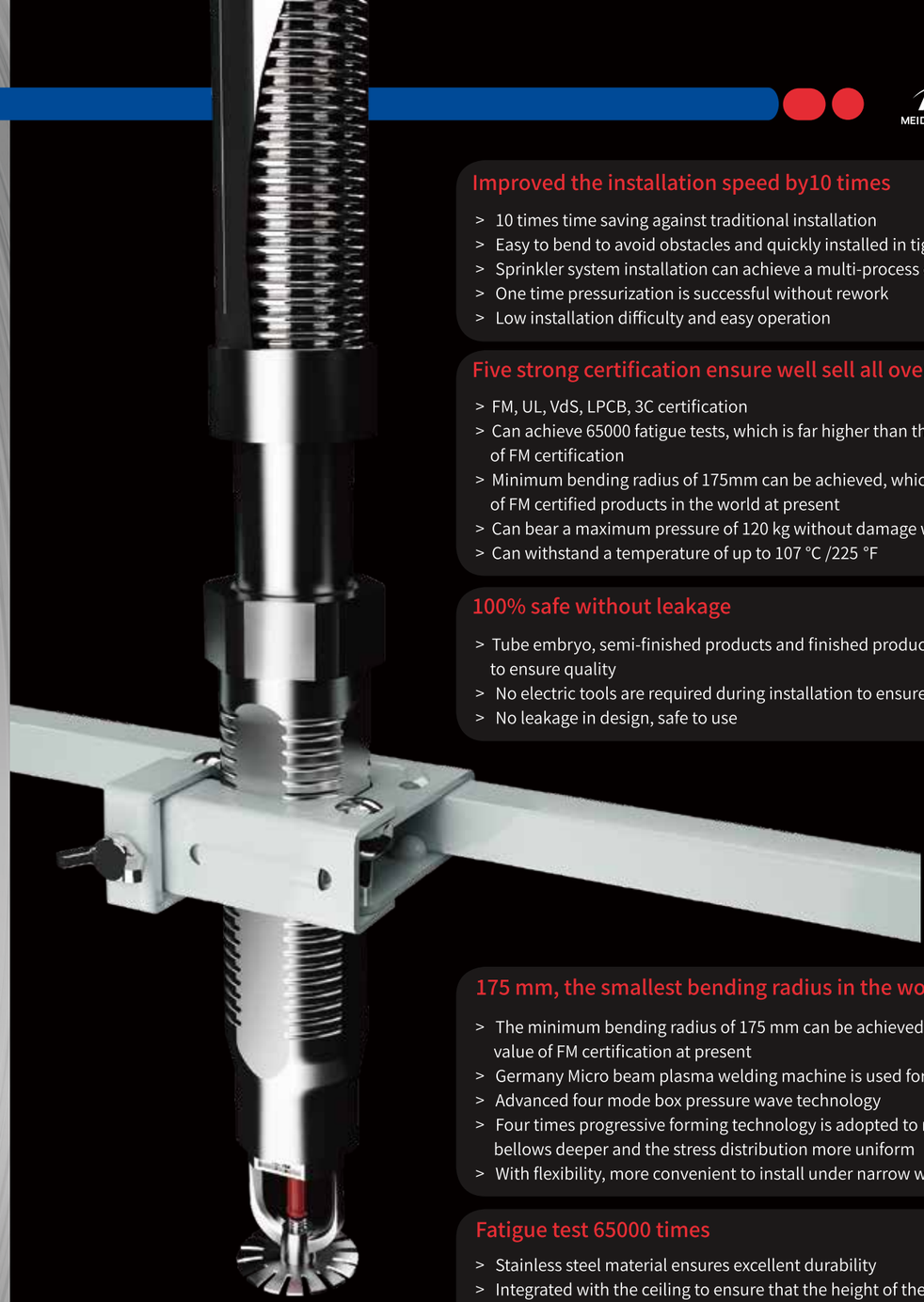
&

AYVAZ **Established in 1948, one of the largest manufacturers of flexible hoses in Europe, with more than 70 years history.**

Meide Ayvaz is a joint venture between Meide group and Ayvaz group. It relies on the global market and R & D capabilities of Meide. Meanwhile, it combines the advanced production technology of Ayvaz. Its goal is to become the largest stainless steel hose production base in China.

Excellent technology We can realize plate welding, bellows forming, plastic coating, intelligent monitoring, heat treatment, full-automatic welding, automatic assembly, etc. We are a manufacturer with the whole process production capacity of metal hoses, and our process level is leading the world.

Product Four product series: flexible hose, gas hose, vibration absorb hose and compensator.



Improved the installation speed by10 times

> 10 times time saving against traditional installation
> Easy to bend to avoid obstacles and quickly installed in tight spaces
> Sprinkler system installation can achieve a multi-process construction simultaneously
> One time pressurization is successful without rework
> Low installation difficulty and easy operation

Five strong certification ensure well sell all over the world

> FM, UL, VdS, LPCB, 3C certification
> Can achieve 65000 fatigue tests, which is far higher than the standard of 50000 times of FM certification
> Minimum bending radius of 175mm can be achieved, which is the minimum value of FM certified products in the world at present
> Can bear a maximum pressure of 120 kg without damage within 5 minutes
> Can withstand a temperature of up to 107 °C /225 °F

100% safe without leakage

> Tube embryo, semi-finished products and finished products are 100% air tight to ensure quality
> No electric tools are required during installation to ensure construction safety
> No leakage in design, safe to use

175 mm, the smallest bending radius in the world

> The minimum bending radius of 175 mm can be achieved, which is the minimum value of FM certification at present
> Germany Micro beam plasma welding machine is used for production
> Advanced four mode box pressure wave technology
> Four times progressive forming technology is adopted to make the ripple of the whole bellows deeper and the stress distribution more uniform
> With flexibility, more convenient to install under narrow working conditions

Fatigue test 65000 times

> Stainless steel material ensures excellent durability
> Integrated with the ceiling to ensure that the height of the sprinkler is consistent with the ceiling
> Can reach 65,000 fatigue tests, much higher than FM certification standard (50000)

European Technology

> 100% European technology and standards: technical specifications, operating procedures, quality standards
> Work with Turkish engineers: craftsmanship and quality are same with Europe
> Overseas communication: sharing technology and optimizing quality

FIVE STRONG CERTIFICATIONS ENSURE WELL SELL ALL OVER THE WORLD

FM APPROVED

c UL us LISTED

VdS

LPCB

LPS 1219: Issue 2
Cert/LPCB ref. 988a

CCCF









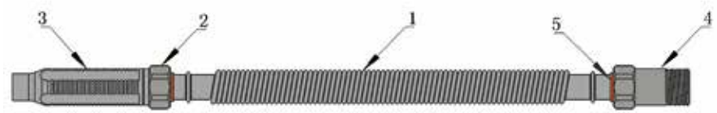




MEIDE GROUP | MECH

FUC1-THREE-PIECE UNBRAIDED FLEXIBLE HOSE FOR FIRE PROTECTION (DN20)





Maximum working pressure: 1.2MPa/175psi
Maximum ambient temperature: 107°C /225°F

c UL us LISTED

Material details:

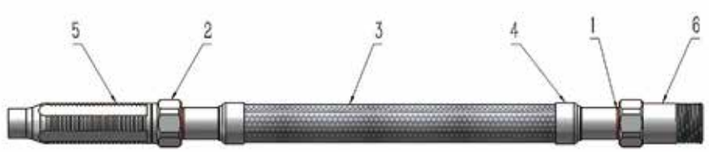
Part No.	Description	Material	Quantity
1	Corrugated Pipe	Stainless Steel 304	1
2	Hexagon Nut	Carbon Steel (Galvanizing)	2
3	Outlet Nipple	Carbon Steel (Galvanizing)	1
4	Inlet Nipple	Carbon Steel (Galvanizing)	1
5	Nylon Ring	Nylon	2

Specifications:

Model No	Hose Assembly Length		Dimensions of inlet and outlet connections			
	IN	MM	Inlet Nipple		Outlet Nipple	
			DN	IN	DN	IN
FUC1-700	27.5	700	25	1"	15 20	1/2" 3/4"
FUC1-790	31.1	790	25	1"	15 20	1/2" 3/4"
FUC1-1000	39.4	1000	25	1"	15 20	1/2" 3/4"
FUC1-1200	47.2	1200	25	1"	15 20	1/2" 3/4"
FUC1-1500	59.1	1500	25	1"	15 20	1/2" 3/4"
FUC1-1800	70.9	1800	25	1"	15 20	1/2" 3/4"

FBC1-THREE-PIECE BRAIDED FLEXIBLE HOSE FOR FIRE PROTECTION (DN20)





Rated working pressure: 1.2MPa/175psi
Maximum ambient temperature: 107°C /225°F

Material details:

Part No.	Description	Material	Quantity
1	Nylon Ring	Nylon	2
2	Hexagon Nut	Carbon Steel (Galvanizing)	2
3	Corrugated Pipe	Stainless Steel 304	1
4	Outer Shackle	Stainless Steel 304	2
5	Outlet Nipple	Carbon Steel (Galvanizing)	1
6	Inlet Nipple	Carbon Steel (Galvanizing)	1

Specifications:

Model No	Hose Assembly Length		Dimensions of inlet and outlet connections			
	IN	MM	Inlet Nipple		Outlet Nipple	
			DN	IN	DN	IN
FBC1-700	27.5	700	25	1"	15 20	1/2" 3/4"
FBC1-790	31.1	790	25	1"	15 20	1/2" 3/4"
FBC1-915	36	915	25	1"	15 20	1/2" 3/4"
FBC1-1000	39.4	1000	25	1"	15 20	1/2" 3/4"
FBC1-1200	47.2	1200	25	1"	15 20	1/2" 3/4"
FBC1-1500	59.1	1500	25	1"	15 20	1/2" 3/4"
FBC1-1800	70.9	1800	25	1"	15 20	1/2" 3/4"

FBC2-THREE-PIECE BRAIDED FLEXIBLE HOSE FOR FIRE PROTECTION (DN25)





Maximum working pressure: 1.6MPa/232psi
Maximum ambient temperature: 149°C /300°F

Material details:

Part No.	Description	Material	Quantity
1	Corrugated Pipe	Stainless Steel 304	1
2	Outer Shackle	Stainless Steel 304	2
3	Welding Ring	Stainless Steel 304	2
4	Hexagon Nut	Carbon Steel (Galvanizing)	2
5	Inlet Nipple	Carbon Steel (Galvanizing)	1
6	Outlet Nipple	Carbon Steel (Galvanizing)	1

Specifications:

Model No	Hose Assembly Length		Dimensions of inlet and outlet connections			
	IN	MM	Inlet Nipple		Outlet Nipple	
			DN	IN	DN	IN
FBC2-700	27.5	700	25 32	1" 1-1/4"	15 20	1/2" 3/4"
FBC2-790	31.1	790	25 32	1" 1-1/4"	15 20	1/2" 3/4"
FBC2-915	36	915	25 32	1" 1-1/4"	15 20	1/2" 3/4"
FBC2-1000	39.4	1000	25 32	1" 1-1/4"	15 20	1/2" 3/4"
FBC2-1200	47.2	1200	25 32	1" 1-1/4"	15 20	1/2" 3/4"
FBC2-1500	59.1	1500	25 32	1" 1-1/4"	15 20	1/2" 3/4"
FBC2-1800	70.9	1800	25 32	1" 1-1/4"	15 20	1/2" 3/4"

FBC3/C4-INTEGRATED BRAIDED FLEXIBLE HOSE FOR FIRE PROTECTION





FM APPROVED VdS

Rated working pressure: 1.6MPa/232psi
Maximum ambient temperature: 107°C /225°F



Straight Round Nozzle (FBC3) | 90° Bend Round Nozzle (FBC3) | Straight Square Nozzle (FBC4)

Material details:

Part No.	Description	Material	Quantity
1	Corrugated Pipe	Stainless Steel 304	1
2	Outer Shackle	Stainless Steel 304	2
3	Inlet Nipple	Stainless Steel 304	1
4	Outlet Nipple	Stainless Steel 304	1

Specifications:

Name	Outlet Shape	Hose Diameter	Inlet Nipple		Outlet Nipple		Length
		DN	DN	IN	DN	IN	MM
FBC3	Straigh Round Nozzle (FBC3)	20	20	3/4"	15	1/2"	500 700 1000 1200 1500 1800
			25	1"	15	1/2"	
		25	20	3/4"	15	1/2"	
			25	1"	15	1/2"	
	90° Bend Round Nozzle (FBC3)	20	20	3/4"	15	1/2"	
			25	1"	15	1/2"	
		25	20	3/4"	15	1/2"	
			25	1"	15	1/2"	
FBC4	Straight Square Nozzle (FBC4)	20	20	3/4"	15	1/2"	
			25	1"	15	1/2"	

FBC5-BRAIDED FLEXIBLE HOSE FOR CLEANROOM





Maximum working pressure: 1.6MPa/232psi
Maximum ambient temperature: 107°C /225°F

FM APPROVED

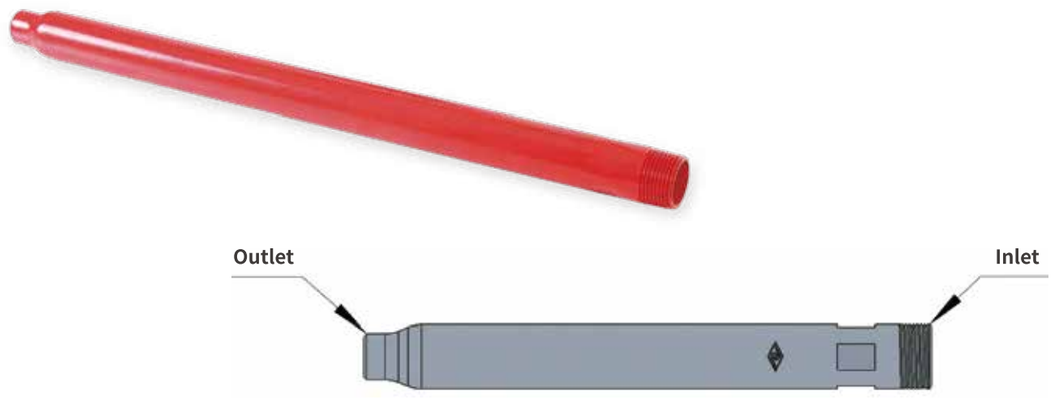
Material details:

Part No.	Description	Material	Quantity
1	Corrugated Pipe	Stainless Steel 304	1
2	Outer Shackle	Stainless Steel 304	2
3	Inlet Nipple	Stainless Steel 304	1
4	Outlet Nipple	Stainless Steel 304	1
5	Hose retainer	Stainless Steel 304	1

Specifications:

Model No.	Effective length of outlet nipple	Hose Assembly Length		Dimensions of inlet and outlet connections			
	MM	IN	MM	Inlet Nipple		Outlet Nipple	
				DN	IN	DN	IN
FBC5-600	55 61 70 80	23.7	600	25	1"	15 20	1/2" 3/4"
FBC5-700		27.5	700	25	1"	15 20	1/2" 3/4"
FBC5-800		31.5	800	25	1"	15 20	1/2" 3/4"
FBC5-1000		39.3	1000	25	1"	15 20	1/2" 3/4"
FBC5-1200		47.3	1200	25	1"	15 20	1/2" 3/4"
FBC5-1500		59.1	1500	25	1"	15 20	1/2" 3/4"
FBC5-1800		70.8	1800	25	1"	15 20	1/2" 3/4"

UNDERGROUND GARAGE SPRINKER JOINT



Maximum working pressure: 1.6MPa/232psi

Material details:

Inlet Nipple	Wall thickness	G'' thread	Length	Tolerance	Material
1"	3.2	1/2"	100、150、200、250、300、350、400、450、500、550、600、650、700、750、800、850、900、1000、1050、1100、1150、1200	±0.2	Carbon Steel
		3/4"			
		1/2"		±0.2	
		3/4"			

Product Characteristics

1. Accuracy of thread
   CNC machining has high thread accuracy. Threads are machined to a standard. The tooth angle can meet the requirement of 55 °.

2. Multiple choices
   Galvanized, spray paint, electrophoretic paint, plastic spraying and other surface treatment methods can be selected.

3. Low risk
   Each less thread can eliminate a leakage point and reduce the risk of water leakage by 30%.

4. Fast installation
   Using a special wrench can improve the installation efficiency and reduce the installation cost by 50%.

INLET NIPPLES



Material	Description
① Carbon Steel	Length : 48mm，Upper : 1" Welded connection Male（lower）：M34X1.5
② Ductile Iron	Length : 64mm，Male（upper）：1" NPT/BSPT Male（lower）：M33X1.5
③ Carbon Steel	Length : 64mm，Male（upper）：1" NPT/BSPT Male（lower）：M33X1.5
④ Carbon Steel	Length : 76mm，Male（upper）：1" NPT/BSPT Male（lower）：M34X1.5
⑤ Carbon Steel	Length : 76mm，Upper：1" Grooved connection Male（lower）：M34X1.5
⑥ Carbon Steel	Length : 70mm，Male（upper）：1-1/4" NPT/BSPT Male（lower）：M34X1.5

OUTLET NIPPLES

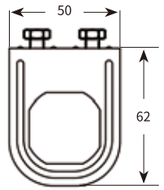
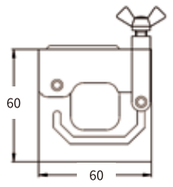
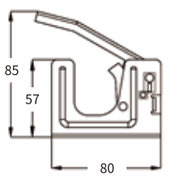
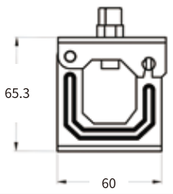
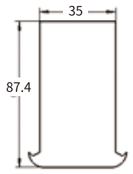
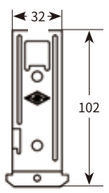


Material	Description
① Carbon Steel	Length : 110mm，Male : M33X1.5/M34X1.5 Female : 1/2" or 3/4" NPT/BSPT
② Carbon Steel	Length : 140mm，Male : M33X1.5/M34X1.5 Female : 1/2" or 3/4" NPT/BSPT
③ Carbon Steel	Length : 155mm，Male : M33X1.5 Female : 1/2" or 3/4" NPT/BSPT
④ Carbon Steel	Length : 184mm，Male : M34X1.5 Female : 1/2" or 3/4" NPT
⑤ Carbon Steel	Length : 300mm，Male : M33X1.5 Female : 1/2" or 3/4" NPT/BSPT
⑥ Carbon Steel	Length : 330mm，Male : M34X1.5 Female : 1/2" or 3/4" NPT

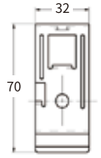
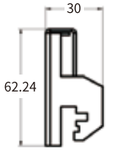
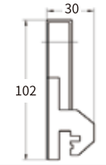
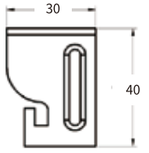
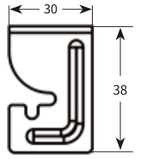
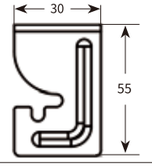
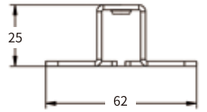


Material	Description
① Carbon Steel	Length : 155mm，Male : M33X1.5 Female : 1/2" or 3/4" NPT/BSPT
② Carbon Steel	Length : 110mm，Male : M33X1.5 Female : 1/2" or 3/4" NPT/BSPT
③ Ductile Iron	Length : 115mm，Male : M33X1.5/M34X1.5 Female : 1/2" or 3/4" NPT/BSPT
④ Ductile Iron	Length : 85mm，Male : M33X1.5/M34X1.5 Female : 1/2" or 3/4" NPT/BSPT

BRACKETS

Name	Picture	Material	Assembly diagrammatic drawing	Dimensions (mm)
Regular Bracket		ASTM A283 Gr.D		
Quick Bracket		ASTM A283 Gr.D		
Long Handle Type Quick Bracket		ASTM A283 Gr.D		
Self-locking Bracket		ASTM A283 Gr.D		
Keel Fitting		ASTM A283 Gr.D		
Long Side Bracket		ASTM A283 Gr.D		

BRACKETS

Name	Picture	Material	Assembly diagrammatic drawing	Dimensions (mm)
Short Side Bracket		ASTM A283 Gr.D		
E-Side Bracket-62		ASTM A283 Gr.D		
E-Side Bracket-102		ASTM A283 Gr.D		
J-Side Bracket		ASTM A283 Gr.D		
C-side-Bracket (38mm)		ASTM A283 Gr.D		
C-side-Bracket (55mm)		ASTM A283 Gr.D		
Wood Beam Clamp		ASTM A283 Gr.D		

HOW TO INSTALL



Fig.1: Install the fire sprinkler into the short outlet pipe, sealing with Teflon tape or pipe glue, etc.



Fig.2: Connect Inlet Nipple tothe water supply pipeline, sealing with Teflon tape or pipe glue, etc. Tightening torque would be around 50 N·m(35ft-lbs).



Fig.3: Tightening the hexagon nut and inlet pipe to a maximum of 20N·m(15ft-lbs), and check that the sealing ring is in right condition. Do not over tighten the nut. Excessive torque may damage the sealing ring.

- Do not use pipe adhesive, hemp wire or raw material belt when connecting here. The sealing ring of the product can effectively seal.

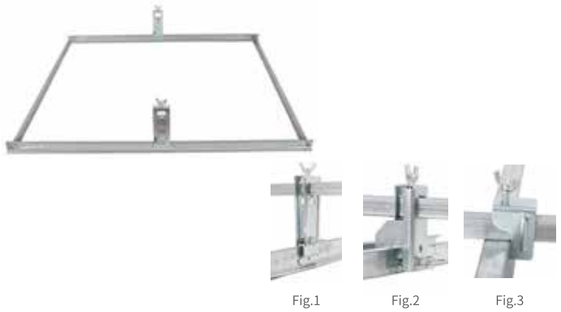


Fig.1 Fig.2 Fig.3

Fig.4: Install the PT bracket on the T-type square bar, cannot violate standard of QB CNCEC J030402 2004. Tightening all the bolts on brackets with torque 4 N·m (3ft-lbs).

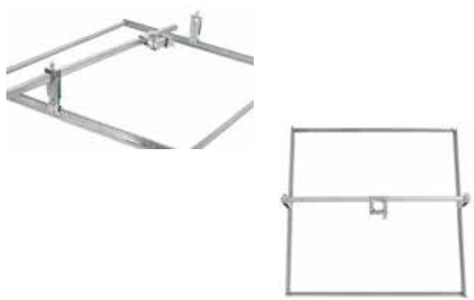


Fig.5: Insert the square tube into the reserved hole of the bracket, insert the center bracket into the square tube, and place it in the middle of two brackets. And tightening all the bolts on brackets with torque 4 N·m (3ft-lbs).



Fig.1 Fig.2

Fig.6: Move the center bracket to the desired location. Bend the hose and place the outlet of the hose in the center bracket. Adjust the height of the outlet to make sure the nozzle is in the correct position. Close the outlet and center bracket as shown and tighten the bolts with torque 4 N·m(3ft-lbs).

cULus listing data-FUC1												
Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		Rated Working Pressure	Max Ambient Temp	Max No. of 90 ° Bends	Min Bend Radius in.	Equivalent Length of 1 in Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
	IN	MM	IN	DN	IN	MM	psi	°F				
FUC1-700	27.5	700	1	25	1/2	15	175	225	2	4	28	Limited
FUC1-790	31.1	790	1	25	1/2	15	175	225	2	4	32	Limited
FUC1-1000	39.4	1000	1	25	1/2	15	175	225	3	4	49	Limited
FUC1-1200	47.2	1200	1	25	1/2	15	175	225	3	4	55	Limited
FUC1-1500	59.1	1500	1	25	1/2	15	175	225	3	4	73	Limited
FUC1-1800	70.9	1800	1	25	1/2	15	175	225	3	4	83	Limited
FUC1-700	27.5	700	1	25	3/4	20	175	225	2	4	30	Limited
FUC1-790	31.1	790	1	25	3/4	20	175	225	2	4	34	Limited
FUC1-1000	39.4	1000	1	25	3/4	20	175	225	3	4	51	Limited
FUC1-1200	47.2	1200	1	25	3/4	20	175	225	3	4	56	Limited
FUC1-1500	59.1	1500	1	25	3/4	20	175	225	3	4	74	Limited
FUC1-1800	70.9	1800	1	25	3/4	20	175	225	3	4	83	Limited
FUC1-700E	27.5	700	1	25	1/2	15	175	225	2	4	34	Limited
FUC1-790E	31.1	790	1	25	1/2	15	175	225	2	4	40	Limited
FUC1-1000E	39.4	1000	1	25	1/2	15	175	225	3	4	51	Limited
FUC1-1200E	47.2	1200	1	25	1/2	15	175	225	3	4	70	Limited
FUC1-1500E	59.1	1500	1	25	1/2	15	175	225	3	4	71	Limited
FUC1-1800E	70.9	1800	1	25	1/2	15	175	225	3	4	82	Limited
FUC1-700E	27.5	700	1	25	3/4	20	175	225	2	4	34	Limited
FUC1-790E	31.1	790	1	25	3/4	20	175	225	2	4	40	Limited
FUC1-1000E	39.4	1000	1	25	3/4	20	175	225	3	4	51	Limited
FUC1-1200E	47.2	1200	1	25	3/4	20	175	225	3	4	70	Limited
FUC1-1500E	59.1	1500	1	25	3/4	20	175	225	3	4	71	Limited
FUC1-1800E	70.9	1800	1	25	3/4	20	175	225	3	4	82	Limited

FM approval data-FBC1

Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		K-Factor	Minimum Bend Radius		Number of Bends	Rated Working Pressure		Equivalent Length of 1 in . Schedule 40 Pipe	
	IN	MM	IN	DN	IN	MM		IN	MM		psi	(kPa)	ft	M
FBC1-700	27.5	700	1	25	1/2	15	5.6	10	(254)	1	175	(1205)	28.3	(8.6)
FBC1-790	31.1	790	1	25	1/2	15	5.6	10	(254)	2	175	(1205)	35.1	(10.6)
FBC1-915	36	915	1	25	1/2	15	5.6	10	(254)	2	175	(1205)	42	(12.8)
FBC1-1000	39.4	1000	1	25	1/2	15	5.6	10	(254)	3	175	(1205)	47.2	(14.3)
FBC1-1200	47.2	1200	1	25	1/2	15	5.6	10	(254)	3	175	(1205)	57.5	(17.5)
FBC1-1500	59.1	1500	1	25	1/2	15	5.6	10	(254)	4	175	(1205)	74.7	(22.7)
FBC1-1800	70.9	1800	1	25	1/2	15	5.6	10	(254)	4	175	(1205)	90.3	(27.5)
FBC1-700	27.5	700	1	25	3/4	20	8.0	10	(254)	1	175	(1205)	28.6	(8.7)
FBC1-790	31.1	790	1	25	3/4	20	8.0	10	(254)	2	175	(1205)	35.3	(10.7)
FBC1-915	36	915	1	25	3/4	20	8.0	10	(254)	2	175	(1205)	43.6	(13.2)
FBC1-1000	39.4	1000	1	25	3/4	20	8.0	10	(254)	3	175	(1205)	47	(14.3)
FBC1-1200	47.2	1200	1	25	3/4	20	8.0	10	(254)	3	175	(1205)	57.1	(17.4)
FBC1-1500	59.1	1500	1	25	3/4	20	8.0	10	(254)	4	175	(1205)	73.9	(22.5)
FBC1-1800	70.9	1800	1	25	3/4	20	8.0	10	(254)	4	175	(1205)	89.4	(27.2)

cULus listing data-FBC1

Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		Rated Working Pressure	Max Ambient Temp	Max No. of 90 ° Bends	Min Bend Radius in.	Equivalent Length of 1 in Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
	IN	MM	IN	DN	IN	MM	psi	°F				
FBC1-700	27.5	700	1	25	1/2	15	175	225	2	4	16	Limited
FBC1-790	31.1	790	1	25	1/2	15	175	225	2	4	22	Limited
FBC1-915	36	915	1	25	1/2	15	175	225	3	4	30	Limited
FBC1-1000	39.4	1000	1	25	1/2	15	175	225	3	4	32	Limited
FBC1-1200	47.2	1200	1	25	1/2	15	175	225	3	4	41	Limited
FBC1-1500	59.1	1500	1	25	1/2	15	175	225	3	4	43	Limited
FBC1-1800	70.9	1800	1	25	1/2	15	175	225	3	4	48	Limited
FBC1-700	27.5	700	1	25	3/4	20	175	225	2	4	17	Limited
FBC1-790	31.1	790	1	25	3/4	20	175	225	2	4	23	Limited
FBC1-915	36	915	1	25	3/4	20	175	225	3	4	30	Limited
FBC1-1000	39.4	1000	1	25	3/4	20	175	225	3	4	41	Limited
FBC1-1200	47.2	1200	1	25	3/4	20	175	225	3	4	43	Limited
FBC1-1500	59.1	1500	1	25	3/4	20	175	225	3	4	44	Limited
FBC1-1800	70.9	1800	1	25	3/4	20	175	225	3	4	47	Limited
FBC1-700E	27.5	700	1	25	1/2	15	175	225	2	4	22	Limited
FBC1-790E	31.1	790	1	25	1/2	15	175	225	2	4	30	Limited
FBC1-915E	36	915	1	25	1/2	15	175	225	3	4	36	Limited
FBC1-1000E	39.4	1000	1	25	1/2	15	175	225	3	4	36	Limited
FBC1-1200E	47.2	1200	1	25	1/2	15	175	225	3	4	37	Limited
FBC1-1500E	59.1	1500	1	25	1/2	15	175	225	3	4	47	Limited
FBC1-1800E	70.9	1800	1	25	1/2	15	175	225	3	4	55	Limited
FBC1-700E	27.5	700	1	25	3/4	20	175	225	2	4	22	Limited
FBC1-790E	31.1	790	1	25	3/4	20	175	225	2	4	30	Limited
FBC1-915E	36	915	1	25	3/4	20	175	225	3	4	36	Limited
FBC1-1000E	39.4	1000	1	25	3/4	20	175	225	3	4	36	Limited
FBC1-1200E	47.2	1200	1	25	3/4	20	175	225	3	4	37	Limited
FBC1-1500E	59.1	1500	1	25	3/4	20	175	225	3	4	47	Limited
FBC1-1800E	70.9	1800	1	25	3/4	20	175	225	3	4	55	Limited

FM approval data-FBC2

Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		K-Factor	Minimum Bend Radius		Number of Bends	Rated Working Pressure		Equivalent Length of 1 in . Schedule 40 Pipe	
	IN	MM	IN	DN	IN	MM		IN	MM		psi	(kPa)	ft	M
FBC2-700	27.5	700	1	25	1/2	15	5.6	6.89	(175)	1	232	(1595)	13.39	(4.1)
FBC2-790	31.1	790	1	25	1/2	15	5.6	6.89	(175)	2	232	(1595)	15.37	(4.7)
FBC2-915	36	915	1	25	1/2	15	5.6	6.89	(175)	2	232	(1595)	18.13	(5.5)
FBC2-1000	39.4	1000	1	25	1/2	15	5.6	6.89	(175)	2	232	(1595)	20.00	(6.1)
FBC2-1200	47.2	1200	1	25	1/2	15	5.6	6.89	(175)	3	232	(1595)	24.41	(7.4)
FBC2-1500	59.1	1500	1	25	1/2	15	5.6	6.89	(175)	4	232	(1595)	31.02	(9.5)
FBC2-1800	70.9	1800	1	25	1/2	15	5.6	6.89	(175)	4	232	(1595)	37.63	(11.5)
FBC2-700	27.5	700	1	25	3/4	20	8.0	6.89	(175)	1	232	(1595)	11.45	(3.5)
FBC2-790	31.1	790	1	25	3/4	20	8.0	6.89	(175)	2	232	(1595)	13.96	(4.3)
FBC2-915	36	915	1	25	3/4	20	8.0	6.89	(175)	2	232	(1595)	17.45	(5.3)
FBC2-1000	39.4	1000	1	25	3/4	20	8.0	6.89	(175)	2	232	(1595)	19.83	(6.0)
FBC2-1200	47.2	1200	1	25	3/4	20	8.0	6.89	(175)	3	232	(1595)	25.41	(7.7)
FBC2-1500	59.1	1500	1	25	3/4	20	8.0	6.89	(175)	4	232	(1595)	33.79	(10.3)
FBC2-1800	70.9	1800	1	25	3/4	20	8.0	6.89	(175)	4	232	(1595)	42.17	(12.9)

cULus listing data-FBC2

Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		Rated Working Pressure	Max Ambient Temp	Max No. of 90 ° Bends	Min Bend Radius in.	Equivalent Length of 1 in Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
	IN	MM	IN	DN	IN	MM	psi	°F				
FBC2-700	27.5	700	1	25	1/2	15	200	225	2	2	7	Limited
FBC2-790	31.1	790	1	25	1/2	15	200	225	4	2	10	Limited
FBC2-915	36	915	1	25	1/2	15	200	225	5	2	18	Limited
FBC2-1000	39.4	1000	1	25	1/2	15	200	225	5	2	20	Limited
FBC2-1200	47.2	1200	1	25	1/2	15	200	225	8	2	30	Limited
FBC2-1500	59.1	1500	1	25	1/2	15	200	225	10	2	40	Limited
FBC2-1800	70.9	1800	1	25	1/2	15	200	225	12	2	48	Limited
FBC2-700	27.5	700	1	25	3/4	20	200	225	2	2	14	Limited
FBC2-790	31.1	790	1	25	3/4	20	200	225	4	2	19	Limited
FBC2-915	36	915	1	25	3/4	20	200	225	5	2	23	Limited
FBC2-1000	39.4	1000	1	25	3/4	20	200	225	5	2	24	Limited
FBC2-1200	47.2	1200	1	25	3/4	20	200	225	8	2	35	Limited
FBC2-1500	59.1	1500	1	25	3/4	20	200	225	10	2	44	Limited
FBC2-1800	70.9	1800	1	25	3/4	20	200	225	12	2	54	Limited
FBC2-700E	27.5	700	1	25	1/2	15	200	225	2	2	20	Limited
FBC2-790E	31.1	790	1	25	1/2	15	200	225	4	2	32	Limited
FBC2-915E	36	915	1	25	1/2	15	200	225	5	2	35	Limited
FBC2-1000E	39.4	1000	1	25	1/2	15	200	225	5	2	36	Limited
FBC2-1200E	47.2	1200	1	25	1/2	15	200	225	8	2	48	Limited
FBC2-1500E	59.1	1500	1	25	1/2	15	200	225	10	2	59	Limited
FBC2-1800E	70.9	1800	1	25	1/2	15	200	225	12	2	68	Limited
FBC2-700E	27.5	700	1	25	3/4	20	200	225	2	2	20	Limited
FBC2-790E	31.1	790	1	25	3/4	20	200	225	4	2	32	Limited
FBC2-915E	36	915	1	25	3/4	20	200	225	5	2	35	Limited
FBC2-1000E	39.4	1000	1	25	3/4	20	200	225	5	2	36	Limited
FBC2-1200E	47.2	1200	1	25	3/4	20	200	225	8	2	48	Limited
FBC2-1500E	59.1	1500	1	25	3/4	20	200	225	10	2	59	Limited
FBC2-1800E	70.9	1800	1	25	3/4	20	200	225	12	2	68	Limited

FM approval data-FBC3																
Model No	Hose Assembly Length		Pipe body specification		Inlet Nipple		Outlet Nipple		K-Factor	Minimum Bend Radius		Number of Bends	Rated Working Pressure		Equivalent Length of 1 in . Schedule 40 Pipe	
	IN	MM	IN	DN	IN	DN	IN	MM		IN	MM		psi	(kPa)	ft	M
FBC3-500	19.7	500	3/4	20	3/4	20	1/2	15	5.6	7.87	200	1	175	1025	42.2	(12.9)
FBC3-700	27.5	700	3/4	20	3/4	20	1/2	15	5.6	7.87	200	2	175	1025	58.8	(17.9)
FBC3-1000	39.4	1000	3/4	20	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	83.6	(25.5)
FBC3-1200	47.2	1200	3/4	20	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	100.1	(30.5)
FBC3-1500	59.1	1500	3/4	20	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	125	(38.1)
FBC3-1800	70.9	1800	3/4	20	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	149.8	(45.7)
FBC3-500E	19.7	500	3/4	20	3/4	20	1/2	15	5.6	7.87	200	1	175	1025	50.3	(15.3)
FBC3-700E	27.5	700	3/4	20	3/4	20	1/2	15	5.6	7.87	200	2	175	1025	66.5	(20.3)
FBC3-1000E	39.4	1000	3/4	20	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	90.7	(27.6)
FBC3-1200E	47.2	1200	3/4	20	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	106.8	(32.6)
FBC3-1500E	59.1	1500	3/4	20	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	131	(39.9)
FBC3-1800E	70.9	1800	3/4	20	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	155.3	(47.3)
FBC3-500	19.7	500	3/4	20	1	25	1/2	15	5.6	7.87	200	1	175	1025	23.1	(7.0)
FBC3-700	27.5	700	3/4	20	1	25	1/2	15	5.6	7.87	200	2	175	1025	28.6	(8.7)
FBC3-1000	39.4	1000	3/4	20	1	25	1/2	15	5.6	7.87	200	3	175	1025	37	(11.3)
FBC3-1200	47.2	1200	3/4	20	1	25	1/2	15	5.6	7.87	200	3	175	1025	42.6	(13.0)
FBC3-1500	59.1	1500	3/4	20	1	25	1/2	15	5.6	7.87	200	4	175	1025	50.9	(15.5)
FBC3-1800	70.9	1800	3/4	20	1	25	1/2	15	5.6	7.87	200	4	175	1025	59.3	(18.1)
FBC3-500E	19.7	500	3/4	20	1	25	1/2	15	5.6	7.87	200	1	175	1025	25.2	(7.7)
FBC3-700E	27.5	700	3/4	20	1	25	1/2	15	5.6	7.87	200	2	175	1025	29.6	(9.0)
FBC3-1000E	39.4	1000	3/4	20	1	25	1/2	15	5.6	7.87	200	3	175	1025	36.3	(11.1)
FBC3-1200E	47.2	1200	3/4	20	1	25	1/2	15	5.6	7.87	200	3	175	1025	40.7	(12.4)
FBC3-1500E	59.1	1500	3/4	20	1	25	1/2	15	5.6	7.87	200	4	175	1025	47.3	(14.4)
FBC3-1800E	70.9	1800	3/4	20	1	25	1/2	15	5.6	7.87	200	4	175	1025	54	(16.5)
FBC3-500	19.7	500	1	25	3/4	20	1/2	15	5.6	7.87	200	1	175	1025	40.1	(12.2)
FBC3-700	27.5	700	1	25	3/4	20	1/2	15	5.6	7.87	200	2	175	1025	57.6	(17.6)
FBC3-1000	39.4	1000	1	25	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	83.9	(25.6)
FBC3-1200	47.2	1200	1	25	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	101.4	(30.9)
FBC3-1500	59.1	1500	1	25	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	127.7	(38.9)
FBC3-1800	70.9	1800	1	25	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	154	(46.9)
FBC3-500E	19.7	500	1	25	3/4	20	1/2	15	5.6	7.87	200	1	175	1025	48.8	(14.9)
FBC3-700E	27.5	700	1	25	3/4	20	1/2	15	5.6	7.87	200	2	175	1025	65.1	(19.8)
FBC3-1000E	39.4	1000	1	25	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	89.4	(27.2)
FBC3-1200E	47.2	1200	1	25	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	105.3	(32.1)
FBC3-1500E	59.1	1500	1	25	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	130	(39.6)
FBC3-1800E	70.9	1800	1	25	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	154.4	(47.1)
FBC3-500	19.7	500	1	25	1	25	1/2	15	5.6	7.87	200	1	175	1025	16.2	(4.9)
FBC3-700	27.5	700	1	25	1	25	1/2	15	5.6	7.87	200	2	175	1025	20.7	(6.3)
FBC3-1000	39.4	1000	1	25	1	25	1/2	15	5.6	7.87	200	3	175	1025	27.4	(8.4)
FBC3-1200	47.2	1200	1	25	1	25	1/2	15	5.6	7.87	200	3	175	1025	31.9	(9.7)
FBC3-1500	59.1	1500	1	25	1	25	1/2	15	5.6	7.87	200	4	175	1025	38.6	(11.8)
FBC3-1800	70.9	1800	1	25	1	25	1/2	15	5.6	7.87	200	4	175	1025	45.4	(13.8)
FBC3-500E	19.7	500	1	25	1	25	1/2	15	5.6	7.87	200	1	175	1025	19.7	(6.0)
FBC3-700E	27.5	700	1	25	1	25	1/2	15	5.6	7.87	200	2	175	1025	23.9	(7.3)
FBC3-1000E	39.4	1000	1	25	1	25	1/2	15	5.6	7.87	200	3	175	1025	30.1	(9.2)
FBC3-1200E	47.2	1200	1	25	1	25	1/2	15	5.6	7.87	200	3	175	1025	34.2	(10.4)
FBC3-1500E	59.1	1500	1	25	1	25	1/2	15	5.6	7.87	200	4	175	1025	40.5	(12.3)
FBC3-1800E	70.9	1800	1	25	1	25	1/2	15	5.6	7.87	200	4	175	1025	46.7	(14.2)

FM approval data-FBC4																
Model No	Hose Assembly Length		Pipe body specification		Inlet Nipple		Outlet Nipple		K-Factor	Minimum Bend Radius		Number of Bends	Rated Working Pressure		Equivalent Length of 1 in . Schedule 40 Pipe	
	IN	MM	IN	DN	IN	DN	IN	MM		IN	MM		psi	(kPa)	ft	M
FBC4-500	19.7	500	3/4	20	3/4	20	1/2	15	5.6	7.87	200	1	175	1025	42.1	(12.8)
FBC4-700	27.5	700	3/4	20	3/4	20	1/2	15	5.6	7.87	200	2	175	1025	58.7	(17.9)
FBC4-1000	39.4	1000	3/4	20	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	83.5	(25.5)
FBC4-1200	47.2	1200	3/4	20	3/4	20	1/2	15	5.6	7.87	200	3	175	1025	100.1	(30.5)
FBC4-1500	59.1	1500	3/4	20	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	125	(38.1)
FBC4-1800	70.9	1800	3/4	20	3/4	20	1/2	15	5.6	7.87	200	4	175	1025	149.8	(45.7)
FBC4-500	19.7	500	3/4	20	1	25	1/2	15	5.6	7.87	200	1	175	1025	23	(7.0)
FBC4-700	27.5	700	3/4	20	1	25	1/2	15	5.6	7.87	200	2	175	1025	28.7	(8.7)
FBC4-1000	39.4	1000	3/4	20	1	25	1/2	15	5.6	7.87	200	3	175	1025	37.2	(11.3)
FBC4-1200	47.2	1200	3/4	20	1	25	1/2	15	5.6	7.87	200	3	175	1025	42.9	(13.1)
FBC4-1500	59.1	1500	3/4	20	1	25	1/2	15	5.6	7.87	200	4	175	1025	51.4	(15.7)
FBC4-1800	70.9	1800	3/4	20	1	25	1/2	15	5.6	7.87	200	4	175	1025	59.9	(18.3)

FM approval data-FBC5														
Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		K-Factor	Minimum Bend Radius		Number of Bends	Rated Working Pressure		Equivalent Length of 1 in . Schedule 40 Pipe	
	IN	MM	IN	DN	IN	MM		IN	(mm)		psi	(kPa)	ft	M
FBC5-600	23.7	600	1	25	1/2	15	5.6	5.9	150	1	232	(1595)	25.5	(7.8)
FBC5-700	27.5	700	1	25	1/2	15	5.6	5.9	150	2	232	(1595)	27.4	(8.4)
FBC5-800	31.5	800	1	25	1/2	15	5.6	5.9	150	2	232	(1595)	29.2	(8.9)
FBC5-1000	39.3	1000	1	25	1/2	15	5.6	5.9	150	2	232	(1595)	33	(10.1)
FBC5-1200	47.3	1200	1	25	1/2	15	5.6	5.9	150	3	232	(1595)	36.8	(11.2)
FBC5-1500	59.1	1500	1	25	1/2	15	5.6	5.9	150	4	232	(1595)	42.5	(13.0)
FBC5-1800	70.8	1800	1	25	1/2	15	5.6	5.9	150	4	232	(1595)	48.2	(14.7)
FBC5-600	23.7	600	1	25	3/4	20	5.6	5.9	150	1	232	(1595)	14.9	(4.5)
FBC5-700	27.5	700	1	25	3/4	20	5.6	5.9	150	2	232	(1595)	17.2	(5.2)
FBC5-800	31.5	800	1	25	3/4	20	5.6	5.9	150	2	232	(1595)	19.5	(5.9)
FBC5-1000	39.3	1000	1	25	3/4	20	5.6	5.9	150	2	232	(1595)	24.2	(7.4)
FBC5-1200	47.3	1200	1	25	3/4	20	5.6	5.9	150	3	232	(1595)	28.8	(8.8)
FBC5-1500	59.1	1500	1	25	3/4	20	5.6	5.9	150	4	232	(1595)	35.7	(10.9)
FBC5-1800	70.8	1800	1	25	3/4	20	5.6	5.9	150	4	232	(1595)	42.7	(13.0)

▼ Shenzhen Bao 'an International Airport

PROJECT CASE

MECH flexible hose can be widely used in electronic clean workshop, hospital, school, landmark building, 5A office building, five-star hotel and other places .

Hospital

- Beijing Institute of Biological Products
- Shulan (Jinan) International Hospital
- Guangzhou Nanshan Hospital
- GuiYang Gui An Hospital
- Shanxi Shuozhou Hospital
- Taikang House, Suzhou
- Shenzhen National Clinical Research Center for Infectious Diseases



Landmark building

- Shenzhen Airport satellite office
- Dji Sky City shenzhen
- Xiongan Business Service Center Project
- Quzhou dual center
- SK Tower, Shanghai
- Zhanjiang airport
- Hengdian World Studios, Zhejiang Province



Lean workshop

- Yinlong New Energy Source Chengdu Industrial Park
- Yunnan Wentai Industrial Park
- Hangzhou Zhongxin Wafer Semiconductor project
- Lanzhou Biological vaccine Workshop

5A office building

- Shenzhen Chuangzhi Cloud City
- Shenzhen Southern Information Technology Center
- Essence Financial Building
- CLC Great Wall Building
- Nanshan yuehai City with garden



School

- Wuxi Vocational College
- Jinhua New Oriental Foreign Language School

Hotel

- Sanshengxiang Galway Epidemic Isolation Hotel
- Hilton Shenzhen



Qinghe Vientiane, Beijing



Hilton Shenzhen



Beijing Ocean New Light Center



Dji Sky City shenzhen



Wentai Intelligent Industrial Park



Jiaxing Semiconductor Industrial Park



Gui An Hospital



Luneng Lingxiucheng



Shanxi Shuozhou Hosnital



Jinhua New Oriental Foreign Language School

SK Tower, Shanghai