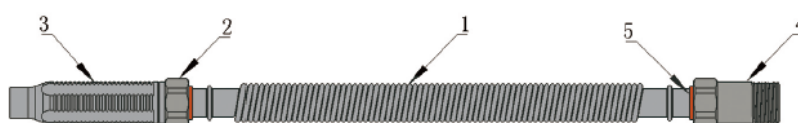


FLEXIBLE HOSES

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



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



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:

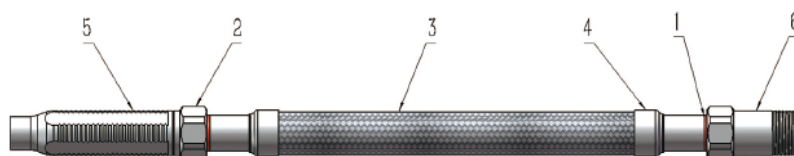
Model No	Hose Assembly Length		Dimensions of inlet and outlet connections			
	IN	MM	Inlet Nipple		Outlet Nipple	
			DN	IN	DN	IN
FUC1-700	27.5	700	25	1"	15 20	1/2" 3/4"
FUC1-1000	39.4	1000	25	1"	15 20	1/2" 3/4"
FUC1-1200	47.2	1200	25	1"	15 20	1/2" 3/4"
FUC1-1500	59.1	1500	25	1"	15 20	1/2" 3/4"
FUC1-1800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

FLEXIBLE HOSES

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
FUC1-1000	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
FUC1-1000	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

FLEXIBLE HOSES

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"
FBC1-1000	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"

FLEXIBLE HOSES

cULus listing data-FBC1

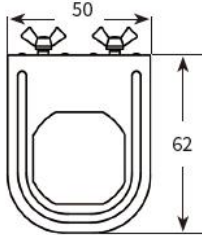
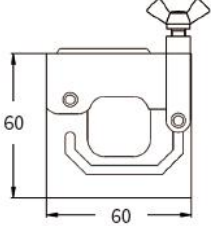
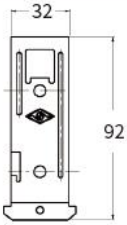
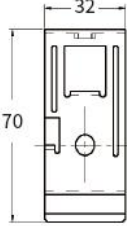
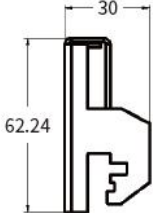
Model No	Hose Assembly Length		Inlet Nipple		Outlet Nipple		Rated Working Pressure	Max Ambient Temp	Max No. of 90 ° Bends	Min Bend Radius in.	Equivalent Length of 1 in Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
	IN	MM	IN	DN	IN	MM	psi	°F				
FBC1-700	27.5	700	1	25	1/2	15	175	225	2	4	16	Limited
FBC1-1000	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
FBC1-1000	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

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)
FBC1-1000	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)
FBC1-1000	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)

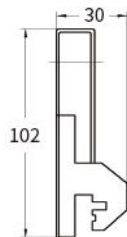
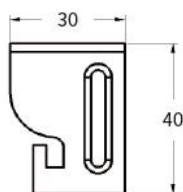
FLEXIBLE HOSES

BRACKETS

Name	Picture	Material	Assembly diagrammatic drawing	Dimensions (mm)
Regular Bracket		ASTM A283 Gr.D		
Quick Bracket		ASTM A283 Gr.D		
Long Side Bracket		ASTM A283 Gr.D		
Short Side Bracket		ASTM A283 Gr.D		
E-Side Bracket-62		ASTM A283 Gr.D		

FLEXIBLE HOSES

BRACKETS

Name	Picture	Material	Assembly diagrammatic drawing	Dimensions (mm)
E-Side Bracket-102		ASTM A283 Gr.D		
J-Side Bracket		ASTM A283 Gr.D		

INLET NIPPLES



Material	Description
① Carbon Steel	48mm Inlet Nipple Rc1
② Ductile Iron	64mm Inlet Nipple Rc1
③ Carbon Steel	64mm Inlet Nipple Rc1
④ Carbon Steel	76mm Inlet Nipple Rc1
⑤ Carbon Steel	76mm Welded Inlet Nipple Rc1
⑥ Carbon Steel	70mm Inlet Nipple Rc1-1/4

FLEXIBLE HOSES

OUTLET NIPPLES



Material	Description
① Stainless Steel 304	100mm Outlet Nipple Rc1/2
② Stainless Steel 304	100mm Outlet Nipple Rc1/2
③ Carbon Steel	110mm Outlet Nipple Rc1/2 or Rc3/4
④ Carbon Steel	140mm Outlet Nipple Rc1/2 or Rc3/4
⑤ Carbon Steel	184mm Outlet Nipple Rc1/2 or Rc3/4
⑥ Carbon Steel	330mm Outlet Nipple Rc1/2 or Rc3/4

HOW TO INSTALL



Step1: Install the fire sprinkler into the short outlet pipe, sealing with Teflon tape or pipe glue, etc.



Step2: Connect Inlet Nipple to the water supply pipeline, sealing with Teflon tape or pipe glue, etc. Tightening torque would be around 50 N·m (35ft-lbs).



Step3: 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.

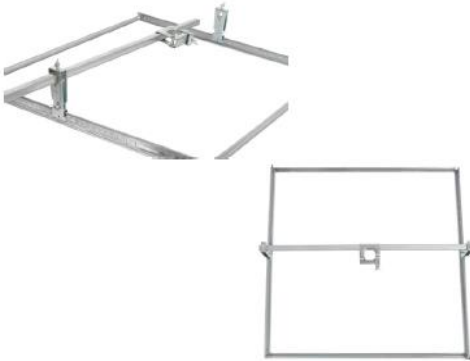
- Do not use pipe adhesive, hemp wire or raw material belt when connecting here. The sealing ring of the product can effectively seal.



图一 图二 图三

Step4: 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).

FLEXIBLE HOSES



Step5: 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).



Step6: 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).