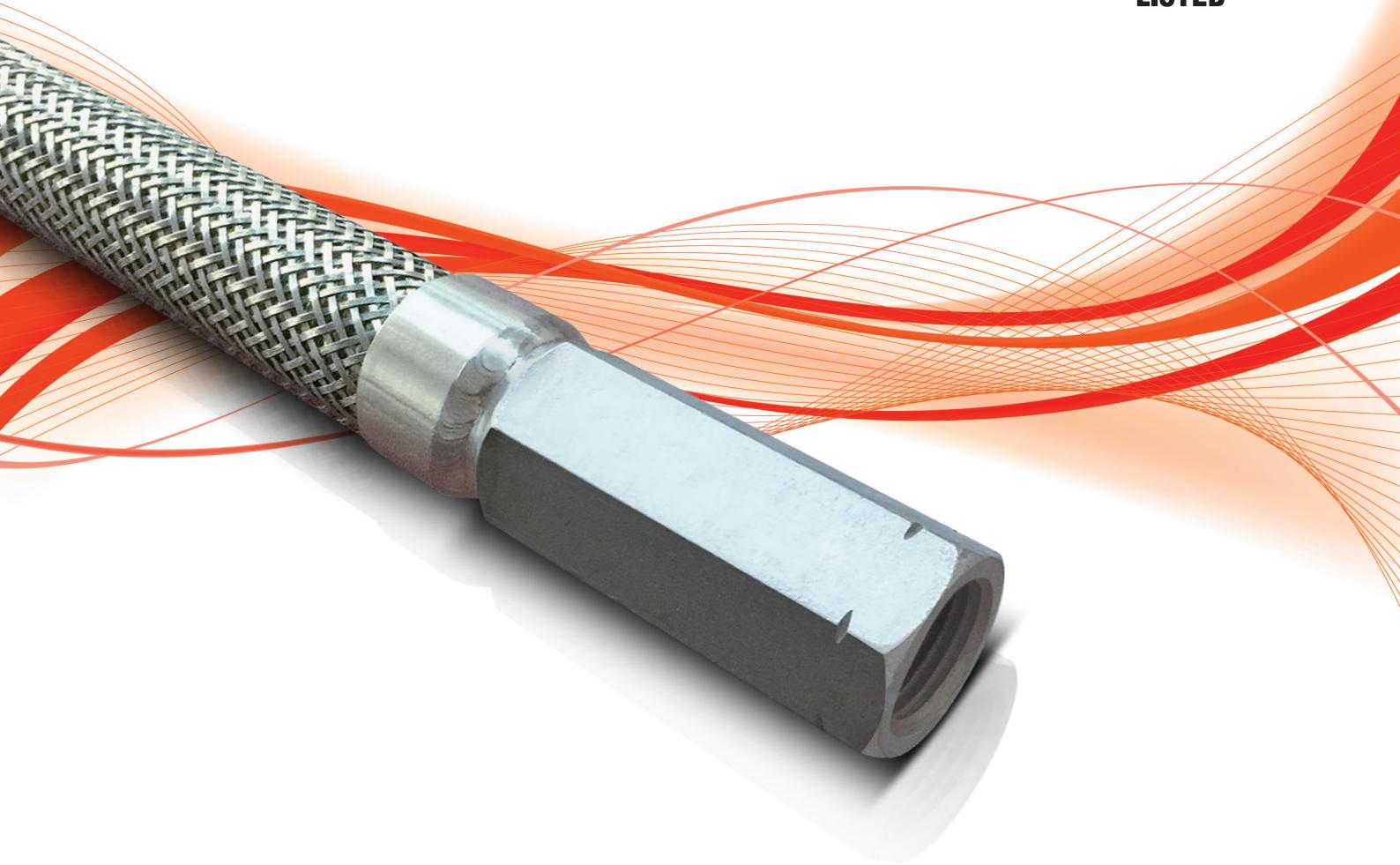




AYVAZ
SPRINKLER CONNECTION HOSES



A EURO-QUALIFLEX (AEQ) MEMBER.

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FLEXIBLE SPRINKLER CONNECTION HOSES (UL)

Sprinkler Systems are automatic fire sensing and extinguishing systems that splash the water comes through connected pipeline.

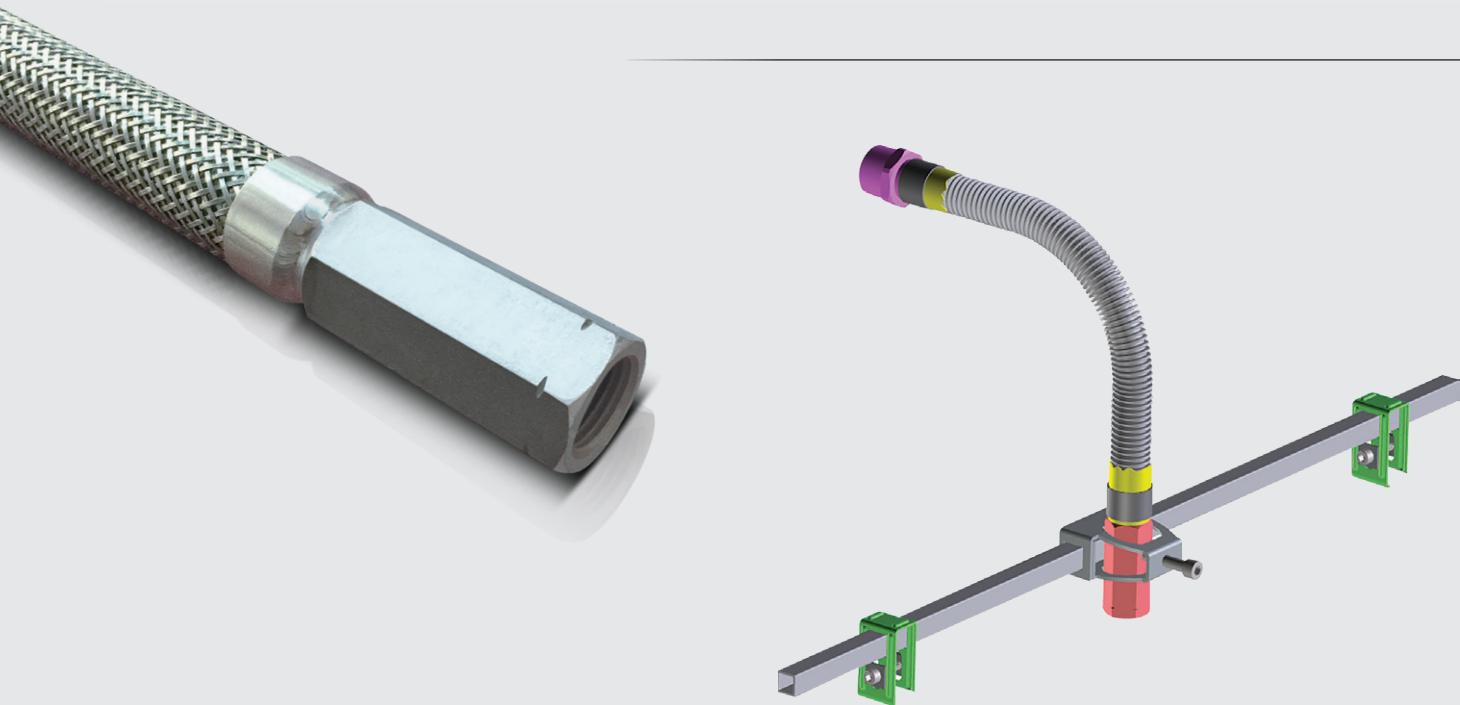
Public places like shopping malls, theatres, concert halls, hotels where the intervention time is crucial are the places where these systems are commonly chosen and used.

Ayvaz sprinkler hose and assembly kit can be effectively used in these systems and come over many connection difficulties caused by rigid piping.

ADVANTAGES

Flexible structure of stainless steel corrugated hose provides various advantages;

- Hose assembly is not affected by external movements and is able to suspend seismic motions.
- Flexibility of the hose provides required safety for all systems.
- Easy installation the hose and the sprinkler device into ceiling with assembly kit save on installation time and costs by eliminating pipe wastage and reducing the labour associated with cutting, threading, and sealing pipe threads.
- It is so easy to align and tighten sprinkler side of the hose with desired point of ceiling. Also, due to smart design of the fixing kit, sprinkler side of the hose can easily be moved and adjusted on vertical axis.
- It is not necessary to adjust sprinkler location if ceiling alignment and level are changed.
- Stainless steel hose and braiding provide high resistance against heat and temperature.
- The system is highly resistant against corrosive effect of the water that is kept in the hose for a long time.



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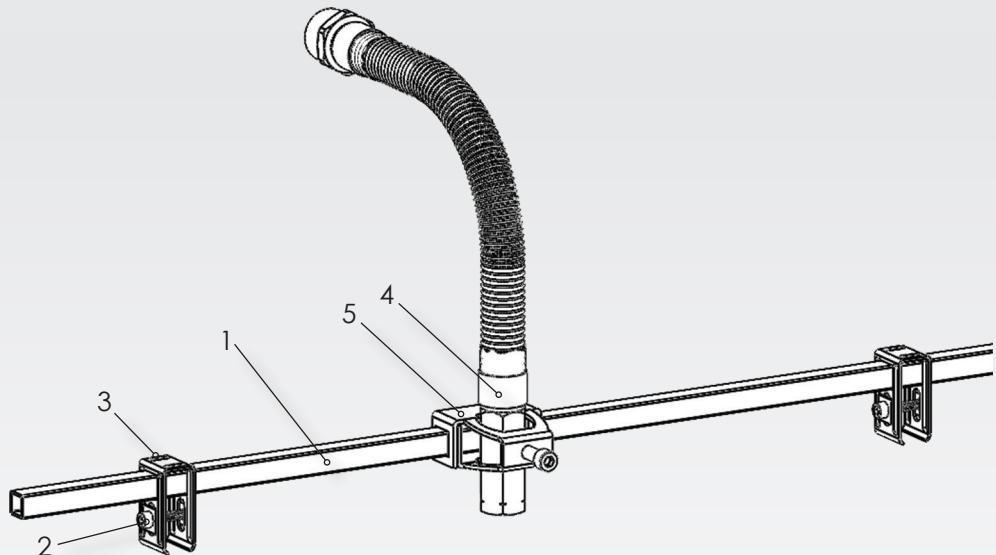
FLEXIBLE SPRINKLER CONNECTION HOSES (UL)

PRODUCT FEATURES (UL Approved)

Hose Type	Standard corrugated metal hose	Pressure Rating	: 175 psi
Hose Material	Stainless Steel AISI 316L	Max. Ambient Temperature	: 300 F
Braiding Material	Stainless Steel AISI 304	Flexibility Type	: Limited
Fittings Types	Inlet 1" Male	Intended System Type	: Wet and Dry
	Outlet 1/2" Female	Largest K-Factor	: 5,6
Fittings Materials	Galvanized Coated Carbon Steel St.37.2	* Intend use for direct connection to fire sprinkler	
Min. Bending Radius	200mm	* These products can be used accordance with NFPA 13, 13D and 13R standards.	
Max. Span	610 mm (24 in.)		

HOSE DIMENSIONS (UL Approved)

DN	CONNECTION		LENGTH (with fittings)		Max. No. of 90° Bends	Equivalent Length of 1 in. Schedule 40 Steel Pipe (C = 120), ft
	Main Pipeline	Sprinkler	(mm)	(ft)		
20	DN20 (1") x 1/2"		500	1.6	1	15
			700	2.3	2	26
			1000	3.3	3	39
			1200	3.9	3	45
			1500	4.9	3	53
			1800	5.9	3	68



Ceiling Specifications

These connections are designed for using in ceilings tile grids that meet ASTM C 635 and ASTM C 636 referenced by the IBC.

Light-Duty Systems, Intermediate-Duty Systems and Heavy-Duty Systems are structural classifications. These connections have been approved for using in all Intermediate-Duty and Heavy-Duty structural classifications.

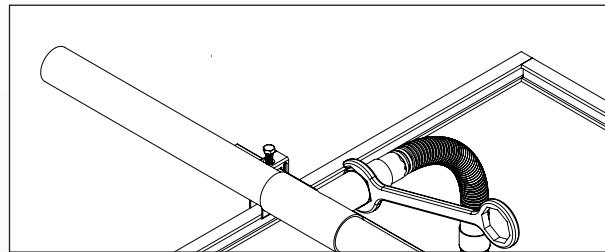
MATERIAL LIST

Part Number	Part Name	Material
1	Assembly Bar	Galvanized coated St 37.2
2	Fixing Bolt	Carbon Steel 8.8
3	Kit Fixing Part	Galvanized coated St 37.2
4	Sprinkler Hose	Stainless Steel
5	Hose Fixing Part	Galvanized coated St 37.2

INSTALLATION INSTRUCTIONS

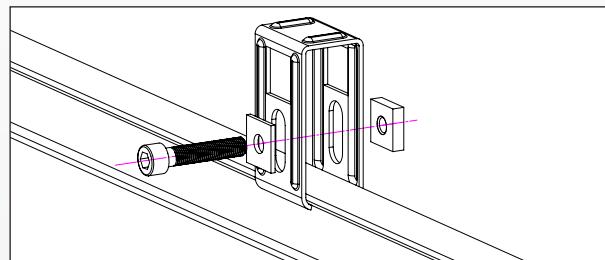
STEP 1 (Connecting the hose to the water line)

The nipple side of the sprinkler hose is connected and tightened to the connection nut on the fire line. The conical nut thread provides proper sealing without using gasket.



STEP 2 (Attaching the fixing parts to the metal grid)

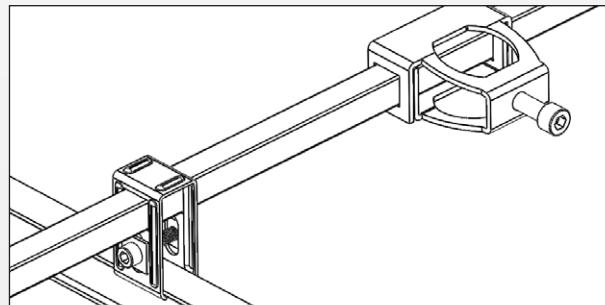
Two fixing parts are attached on both sides of the metal grid as them to face each other and gently tightened. Do not tighten too much in case further adjustments may be required.



STEP 3 (Placing the assembly bar)

Slide the assembly bar through one of the fixing parts and push it to the opposite direction at the same plane until the unattended end of the bar goes through the hose fixing part and the opposite kit fixing part.

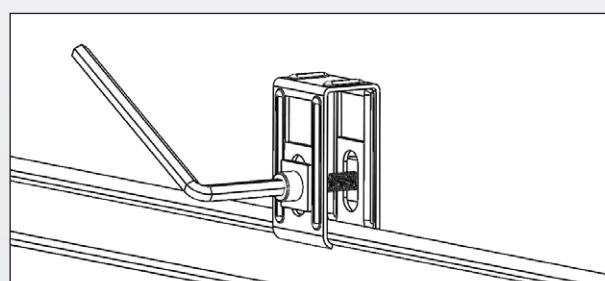
Place the assembly bar as leaving equal distance at both sides and screw the bolt and gently tighten.



STEP 4 (Tightening the sprinkler connection set)

As the sprinkler connection set is complete and the sprinkler side is aligned with the hole on the ceiling. The bottom bolts of the fixing parts on both sides of the assembly bar are tightened.

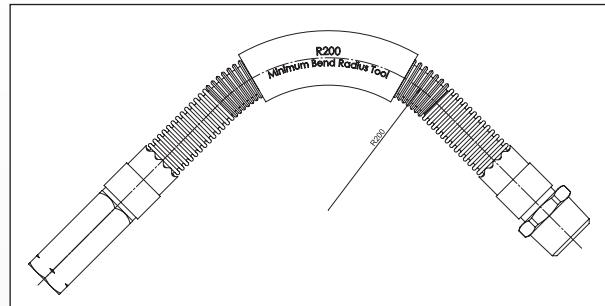
Tightening torque: 8N



INSTALLATION INSTRUCTIONS

STEP 5

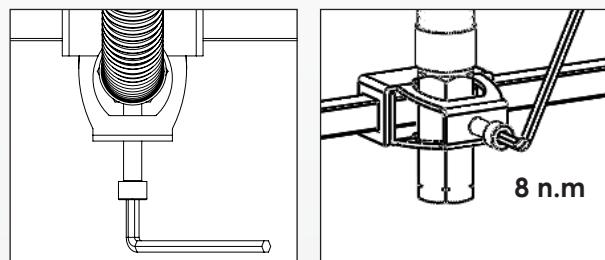
After fixing the nipple part, use Minimum Bend Radius Tool to be sure to bend the hose according to minimum bending radius.



STEP 6 (Adjusting the sprinkler head's position)

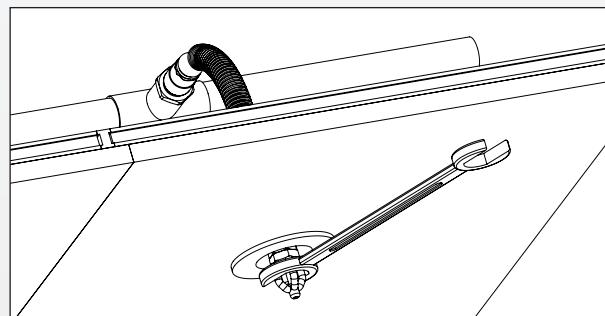
The bolts of hose fixing part on the assembly bar are loosen a little bit and the position of the hose outlet is adjusted as it fixed at the desired level according to the ceiling surface. Tighten the bolts back and complete the assembly.

Tightening torque: 8N



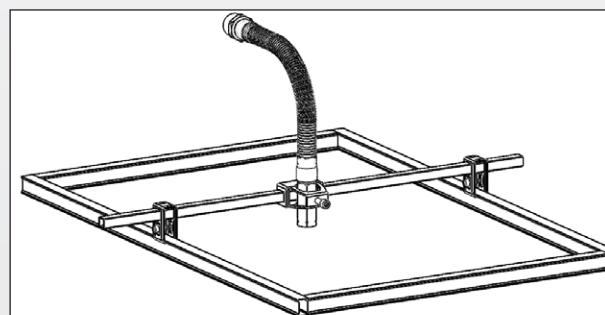
STEP 7 (Connecting the sprinkler head)

The sprinkler head is connected to the sprinkler end of the hose and the escutcheon is tightened. The conical thread of the sprinkler head and the hose nut provide desired sealing with using no gaskets.



STEP 8

After, completing the sprinkler hose assembly. The system must be tested in order to detect possible water leaks. Any leaks must be prevented immediately for maximum service life and protection against the hazards.





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