SPRINKLER ACCESSORIES

MODEL AG-FLEX.U (unbraided)
Flexible Connector
Length: 700, 1000, 1200, 1500 y 1800 mm

c UL us LISTED EX15793



PRODUCT DESCRIPTION

A flexible sprinkler hose fitting consists of a flexible hose, inlet for connection to the branch line, outlet fitting for connection to the sprinkler, and a mounting bracket. They are used in Firefighting systems.

1. Economic efficiency: cost reduction in labor and others.
2. Convenient construction: The flexibility of this product improves the installation adaptability.
3. Corrosion-resistant: The corrugated pipe is made of Stainless Steel. The perfect isolation between the parts eliminate defect completely.

The hose and fitting have limited flexibility.

TECHNICAL DATA

Model	AG-FLEX. U: Unbraided
Available product length	700 mm, 1000 mm, 1200 mm, 1500 mm & 1800 mm
Available square bar length	From 700 to 1500 mm
Inlet	1" NPT / ISO 7-R1 (Optional)
Outlet	½" o ¾" (BSPT, NPT)
Maximum working pressure	14 Kg/cm^2 (200 psi)
Test pressure	21 Kg/ cm^2 (300 psi)
Maximum ambient temperature	150ºF (65ºC)
Bending angles (flow direction)	Up to 180º
K-Factor	Largest K -factor ½" outlet: 8.0 gpm/sqr (psi) Largest K -factor ¾" inlet: 14.0 gpm/sqr (psi)
Bracket (S) Torque	45 Kg/cm^2
Bracket (L) Torque	65 Kg/cm^2
Nut + Nipple / Reducer Torque	500 Kg/cm^2
System	Dry & wet

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INSTALATION

The flexible hose with fittings should be installed in suspended ceiling, which must have been designed to resist upward movement when vertical loads are applied (interlocking) and constructed to support the applied flexible hose loads. This product is approved to be used in intermediate and heavy duty ceilings ASTM C635.

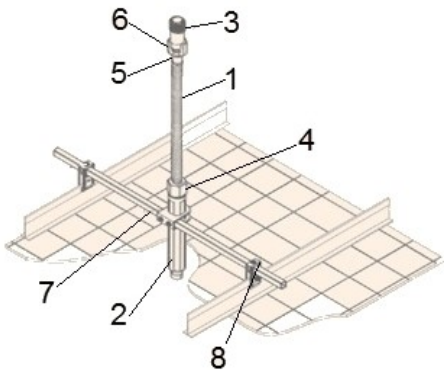
Flexible sprinkler hose fittings may be used in wet, deluge or dry pipe sprinkler systems between the branch line and sprinkler when installed in accordance with NFPA 13 NFPA, 13R and NFPA 13D.



Model	Inlet x Outlet (in.)	Assembly Length (mm)	Max. Nº of 90º bends	Min. Bend radius	Equivalent length of 1" Schedule 40 Steel Pipe (C=120)
AG-FLEX.U 700	1 X 1/2	700	2	5" (125 mm)	33 ft (10058 mm)
AG-FLEX.U 1000	1 X 1/2	1000	3	5" (125 mm)	65 ft (19813 mm)
AG-FLEX.U 1200	1 X 1/2	1200	3	5" (125 mm)	67 ft (20422 mm)
AG-FLEX.U 1500	1 X 1/2	1500	3	5" (125 mm)	84 ft (25603 mm)
AG-FLEX.U 1800	1 X 1/2	1800	3	5" (125 mm)	101 ft (30785 mm)
AG-FLEX.U 700	1 X 3/4	700	2	5" (125 mm)	36 ft (10974 mm)
AG-FLEX.U 1000	1 X 3/4	1000	3	5" (125 mm)	59 ft (17984 mm)
AG-FLEX.U 1200	1 X 3/4	1200	3	5" (125 mm)	73 ft (22250 mm)
AG-FLEX.U 1500	1 X 3/4	1500	3	5" (125 mm)	77 ft (23470 mm)
AG-FLEX.U 1800	1 X 3/4	1800	3	5" (125 mm)	105 ft (32004 mm)

COMPONENT MATERIALS

Nº Item	Description	Material
1	Flexible hose	AISI 304 Stainless Steel
2	Reducers	SPP (Steel), Zinc plated
3	Nipple	SPP (Steel), Zinc plated
4	Nut	SWRM6K (Steel), Zinc plated
5	Isolation Ring	Nylon
6	Gasket seal	NBR
7	Support L bar (700 mm)	SGCC (Steel), Zinc plated
8	Support S bar	SGCC (Steel), Zinc plated



ORDERING INFORMATION

Specify:

Model	
Quantity	
Length	
Outlet	
System (wet or dry)	

The equipment presented in this data sheet is to be installed in accordance with the latest published Standards of the national fire protection association (NFPA), FM Global, LPCB, VdS or other similar organizations, also with the provisions of governmental codes or ordinances whenever applicable. This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice

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