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BRAIDED CONNECTIONS



ARGCO Flexible Sprinkler Drops are designed to reduce labor and installation costs by installing without cutting and threading pipe associated with installing a drop, arm-over and elbows. ARGCO offers braided and unbraided hoses in 28, 40, 48, 60 and 72" lengths with simple brackets for suspended ceilings.

Manufactured with corrosion resistant AISI Grade 304 Stainless Steel corrugated high flexibility tube with two hex slip nuts an high integrity O-ring seals with a burst test pressure of 70 bar/875 psi at ambient temperature, providing flexibility, high performance durability and reliability.

National Fire Protection Association (NFPA):

- •NFPA 13: Standard for the Installation of Sprinkler Systems
- •NFPA 13D: Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Manufactured Homes
- •NFPA 13R: Standard for the Installation of Sprinkler Systems in residential Occupancies up to and including four stories in height.
- •NFPA 13 Section 9.2.1.3.3.3: No hangers are required for flexible connections as long as the length does not exceed 6 feet.

American Society for Testing Methods (ASTM):

- •ASTM C635: Standard specifications for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings
- •ASTM C636: Standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panels.

Factory Mutual (FM):

•Approved standard for flexible sprinkler hose with threaded end fittings

Underwriter's Laboratories (UL):

•Standard for flexible sprinkler hose with fittings for fire protection service

International Building Code (IBC):

•Flexible Sprinkler Connections are an alternative solution to install without seismic escutcheons.

System No.	Location	Spec Section	Paragraph	
Submitted By	Date	Approved	Date	



FLEXIBLE SPRINKLER DROP HOSE 3-BEND

BRAIDED CONNECTIONS



- Save Time & Money
- •No cutting, no welding, no threading
- Perfect for retrofit applications
- •Easy to move for layout changes
- Most flexible hose in its class.

UL: 3 bends 4" minimum radius

Full assembly includes Stainless Steel Braided Hose, Reducing Discharge Nipple, 1" Inlet Nipple, Hinged Lever Center Bracket, two End Brackets & 24" Square Bar

TECHNICAL DATA

•Rated Pressure: 203 PSI (14 Bars)

•Maximum Ambient Temperature: 225°F (107°C) •Designed for use in wet and dry systems

•Flexibility Type: Unlimited

•Hose Diameter: O.D. 1-1/16" / Flow 13/16"





				E	quivalen	t Length o	of 1 ft Sch 40 Pipe			
Friction Loss Data and Specifications					US Max.	Min.		APPROVED Max.	Min.	
Model	Length	NPT	ITEM#	UL	# of Bends	Bending Radius	FM	# of Bends	Bending Radius	
AR-BR FLEX-07-050	28" (0.6 m)	1/2"	6530165A	25 ft	2	4"	26.7 ft	1	10"	
AR-BR FLEX-10-050	40" (0.9 m)	1/2"	6530166A	33 ft	3	4"	42.6 ft	2	10"	
_AR-BR FLEX-12-050	48" (1.2 m)	1/2"	6530167A	39 ft	3	4"	53.2 ft	3	10"	
AR-BR FLEX-15-050	60" (1.5 m)	1/2"	6530168A	50 ft	3	4"	67.8 ft	3	10"	
AR-BR FLEX-18-050	72" (1.8 m)	1/2"	6530169A	58 ft	3	4"	82.4 ft	4	10"	
AR-BR FLEX-07-075	28" (0.6 m)	3/4"	6530175A	21 ft	2	4"	22.1 ft	1	10"	
AR-BR FLEX-10-075	40" (0.9 m)	3/4"	6530176A	36 ft	3	4"	40.6 ft	2	10"	
AR-BR FLEX-12-075	48" (1.2 m)	3/4"	6530177A	43 ft	3	4"	53.0 ft	3	10"	
AR-BR FLEX-15-075	60" (1.5 m)	3/4"	6530178A	52 ft	3	4"	64.2 ft	3	10"	
AR-BR FLEX-18-075	72" (1.8 m)	3/4"	6530179A	63 ft	3	4"	75.5 ft	4	10"	

Anchoring components are intended for use with drop ceilings conforming to ASTM C635 and other major standards when installed in accordance with the standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panel, ASTMC C635 or other equivalent standards.

FM Notes: ARGCO hoses have been tested and Approved by FM Global for use in wet, dry and preaction systems per NFPA13, 13R and 13D.

System No.	Location	Spe
Submitted By	Date	App

Spec Section	Paragraph	
Approved	Date	



FLEXIBLE SPRINKLER DROP HOSE 3-BEND BRAIDED CONNECTIONS



				E	quivalen	t Length o	of 1 ft Sch 40 Pipe			
Friction Loss Data and Specifications					US Max. # of	Min. Bending		APPROVED Max. # of	Min. Bending	
Model	Length	NPT	ITEM #	UL	Bends	Radius	FM	Bends	Radius	
AR-BR FLEX-07-050	28" (0.6 m)	1/2"	6530165A	25 ft	2	4"	26.7 ft	1	10"	
AR-BR FLEX-10-050	40" (0.9 m)	1/2"	6530166A	33 ft	3	4"	42.6 ft	2	10"	
AR-BR FLEX-12-050	48" (1.2 m)	1/2"	6530167A	39 ft	3	4"	53.2 ft	3	10"	
AR-BR FLEX-15-050	60" (1.5 m)	1/2"	6530168A	50 ft	3	4"	67.8 ft	3	10"	
AR-BR FLEX-18-050	72" (1.8 m)	1/2"	6530169A	58 ft	3	4"	82.4 ft	4	10"	
AR-BR FLEX-07-075	28" (0.6 m)	3/4"	6530175A	21 ft	2	4"	22.1 ft	1	10"	
AR-BR FLEX-10-075	40" (0.9 m)	3/4"	6530176A	36 ft	3	4"	40.6 ft	2	10"	
AR-BR FLEX-12-075	48" (1.2 m)	3/4"	6530177A	43 ft	3	4"	53.0 ft	3	10"	
AR-BR FLEX-15-075	60" (1.5 m)	3/4"	6530178A	52 ft	3	4"	64.2 ft	3	10"	
AR-BR FLEX-18-075	72" (1.8 m)	3/4"	6530179A	63 ft	3	4"	75.5 ft	4	10"	

Number of Bends Equivalent Length of 1 ft Sch 40 Pipe										
Model	Length	NPT	0	1	2	3	4			
AR-BR FLEX-07-050	28"	1/2"	15.1	18.0	25.0					
AR-BR FLEX-10-050	39"	1/2"	19.0	24.0	28.0	33.0				
AR-BR FLEX-12-050	47"	1/2"	26.0	30.0	34.0	39.0				
AR-BR FLEX-15-050	59"	1/2"	35.0	41.0	45.0	50.0				
AR-BR FLEX-18-050	71"	1/2"	42.0	47.5	52.8	58.1	63.4			

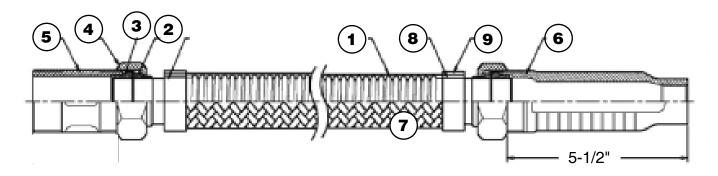
Number of Bends Equivalent Length of 1 ft Sch 40 Pipe									
Model	Length	NPT	0	1	2	3	4		
AR-BR FLEX-07-075	28"	3/4"	16.4	18.8	21.0				
AR-BR FLEX-10-075	39"	3/4"	22.0	27.0	31.0	36.0			
AR-BR FLEX-12-075	47"	3/4"	29.0	34.0	38.0	43.0			
AR-BR FLEX-15-075	59"	3/4"	38.0	43.0	47.0	52.0			
AR-BR FLEX-18-075	71"	3/4"	52.0	57.3	61.3	65.3	69.3		



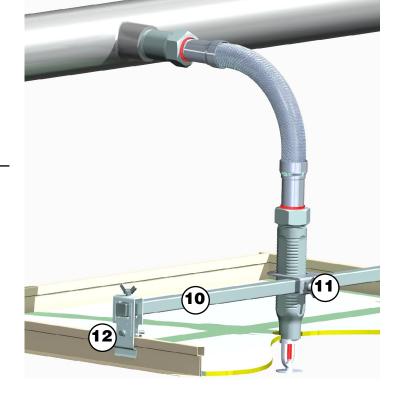
BRAIDED CONNECTIONS



COMPONENTS:



FLEXIBLE TUBE 304 STAINLESS STEEL 1. **ISOLATION RING** NYLON 66 SEALING GASKET **EPDM** ZINC PLATED STEEL NUT 5. NIPPLE 1" ZINC PLATED STEEL 6. REDUCING NIPPLE ZINC PLATED STEEL 7. BRAID 304 STAINLESS STEEL 8. COLLAR RING (INNER) 304 STAINLESS STEEL 304 STAINLESS STEEL COLLAR RING (OUTER) 10. SQUARE BAR ZINC PLATED STEEL 11. CENTER BRACKET ZINC PLATED STEEL 12. 4" END BRACKET(S) ZINC PLATED STEEL

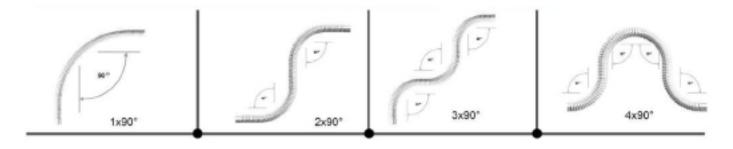


CHARACTERISTICS:

•Minimum bend radius Braided 3" (230 mm)

•Flexibility Type: Limited

HOSE BENDING PARAMETERS

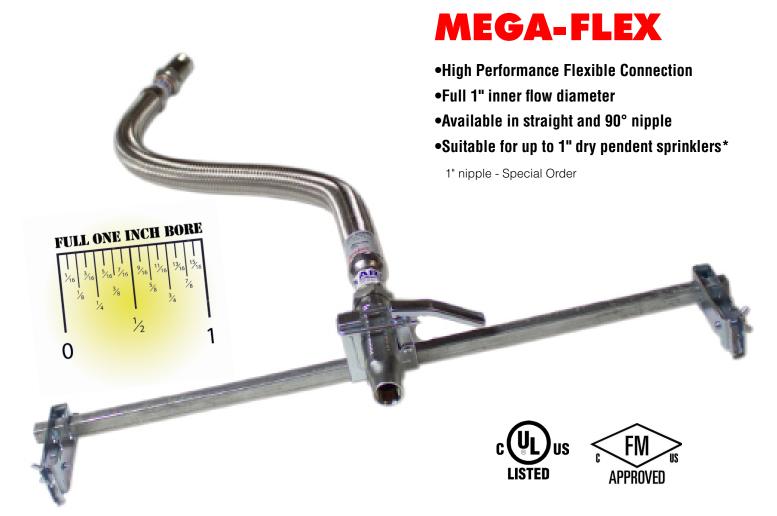




FLEXIBLE SPRINKLER DROP HOSE FULL BORE

BRAIDED CONNECTIONS with Straight End Connection Inlet





PRODUCT DESCRIPTION

- Series AR-400-BR 1"/DN25 Nominal ID Braided Hose: 28, 40, 48, 60, 72"
- Sprinkler Connections: 1/2", 3/4" and 1" NPT
- Inlet Connections: 1"/25mm NPT
- Straight Reducing Nipple Length: 5.5" (other lengths available)
- 90° Elbows: Long (typically used with recessed pendent sprinklers)

Friction Loss Data continued on next page

TECHNICAL DATA

- •Rated Pressure: 203 PSI (14 Bars)
- •Maximum Ambient Temperature: 150°F (66°C)
- •Maximum Sprinkler K-factor for ½" outlet: 8.0 gal/mm/(psi)^½
- •Maximum Sprinkler K-factor for 3/4" outlet: 14.0 gal/mm/(psi)^1/2
- •Maximum Sprinkler K-factor for 1" outlet: 25.2 gal/mm/(psi)^½
- •Designed for use in wet and dry systems
- •Flexibility Type: Unlimited •Minimum Bend Radius: 2"
- •Hose Diameter: O.D. 1-3/8" / Flow 1"

System No.	Location	
Submitted By	Date	

Spec Section	Paragraph	
Approved	Date	



FLEXIBLE SPRINKLER DROP HOSE FULL BORE



BRAIDED CONNECTIONS with Straight End Connection Inlet

				E	quivalen	t Length o	of 1 ft Sch 40 Pipe			
Friction Loss Data and Specifications					CUL US LISTED Max. # of	Min. Bending		APPROVED Max. # of	Min. Bending	
Model	Length	NPT	k-Factor	UL	Bends	Radius	FM	Bends	Radius	
AR-400-BR FLEX-07-050	28"	1/2"	5.6 & 8.0	18 ft	4	2"	4.5 ft	1	6.9"	
AR-400-BR FLEX-10-050	39"	1/2"	5.6 & 8.0	24 ft	5	2"	9.8 ft	3	6.9"	
AR-400-BR FLEX-12-050	47"	1/2"	5.6 & 8.0	37 ft	8	2"	13.4 ft	3	6.9"	
AR-400-BR FLEX-15-050	59"	1/2"	5.6 & 8.0	49 ft	10	2"	18.8 ft	4	6.9"	
AR-400-BR FLEX-18-050	71"	1/2"	5.6 & 8.0	52 ft	12	2"	24.2 ft	4	6.9"	

				Equivalent Length of 1 ft Sch 40 Pipe						
				CUL US			FM APPROVED			
Model	Length	NPT	k-Factor	UL	Max. # of Bends	Min. Bending Radius	FM	Max. # of Bends	Min. Bending Radius	
AR-400-BR FLEX-07-075	28"	3/4"	8.0, 11.2, 14.0	18 ft	4	2"	13.0 ft	1	6.9"	
AR-400-BR FLEX-10-075	39"	3/4"	8.0, 11.2, 14.0	24 ft	5	2"	20.8 ft	3	6.9"	
AR-400-BR FLEX-12-075	47"	3/4"	8.0, 11.2, 14.0	37 ft	8	2"	26.0 ft	3	6.9"	
AR-400-BR FLEX-15-075	59"	3/4"	8.0, 11.2, 14.0	49 ft	10	2"	33.8 ft	4	6.9"	
AR-400-BR FLEX-18-075	71"	3/4"	8.0, 11.2, 14.0	52 ft	12	2"	41.7 ft	4	6.9"	

				E	quivalen	t Length o	f 1 ft Sc	h 40 Pi	ре
				C UL US				FM	\
Model	Length	NPT	k-Factor	UL	Max. # of Bends	Min. Bending Radius	FM	Max. # of Bends	Min. Bending Radius
AR-400-BR FLEX-07-100	28"	1"	25.2 and less	18 ft	4	2"	5.6 ft	1	6.9"
AR-400-BR FLEX-10-100	39"	1"	25.2 and less	24 ft	5	2"	9.2 ft	3	6.9"
AR-400-BR FLEX-12-100	47"	1"	25.2 and less	37 ft	8	2"	11.6 ft	3	6.9"
AR-400-BR FLEX-15-100	59"	1"	25.2 and less	49 ft	10	2"	15.2 ft	4	6.9"
AR-400-BR FLEX-18-100	71"	1"	25.2 and less	52 ft	12	2"	19.1 ft	4	6.9"

Anchoring components are intended for use with drop ceilings conforming to ASTM C635 and other major standards when installed in accordance with the standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panel, ASTMC C635 or other equivalent standards.

FM Notes: ARGCO hoses have been tested and Approved by FM Global for use in wet, dry and preaction systems per NFPA13, 13R and 13D.



FLEXIBLE SPRINKLER DROP HOSE FULL BORE



BRAIDED CONNECTIONS with Straight End Connection Inlet

				E	quivaler	t Length o	of 1 ft Sch 40 Pipe					
Friction L and Speci	UL	LISTED Max. # of Bends	Min. Bending Radius	FM	APPROVED Max. # of Bends	Min. Bending Radius						
AR-400-BR FLEX-07-050	Length 28"	1/2"	k-Factor 5.6 & 8.0	18 ft	4	2"	4.5 ft	1	6.9"			
								<u>'</u>				
AR-400-BR FLEX-10-050	39"	1/2"	5.6 & 8.0	24 ft	5	2"	9.8 ft	3	6.9"			
AR-400-BR FLEX-12-050	47"	1/2"	5.6 & 8.0	37 ft	8	2"	13.4 ft	3	6.9"			
AR-400-BR FLEX-15-050	59"	1/2"	5.6 & 8.0	49 ft	10	2"	18.8 ft	4	6.9"			
AR-400-BR FLEX-18-050	71"	1/2"	5.6 & 8.0	52 ft	12	2"	24.2 ft	4	6.9"			

			Number of Bends Equivalent Length of 1 ft Sch 40 Pipe												
Model	Length	NPT	0	1	2	3	4	5	6	7	8	9	10	11	12
AR-400-BR FLEX-07-050	28"	1/2"	8.0	10.5	13.0	15.5	18.0								
AR-400-BR FLEX-10-050	39"	1/2"	11.5	14.0	16.5	19.0	21.5	24.0							
AR-400-BR FLEX-12-050	47"	1/2"	17.0	19.5	22.0	24.5	27.0	29.5	32.0	34.5	37.0				
AR-400-BR FLEX-15-050	59"	1/2"	24.0	26.5	29.0	31.5	34.0	36.5	39.0	41.5	44.0	46.5	49.0		
AR-400-BR FLEX-18-050	71"	1/2"	22.0	24.5	27.0	29.5	32.0	34.5	37.0	39.5	42.0	44.5	47.0	49.5	52.0

				Num	ber o	f Ben	ds	Equivalent Length of 1 ft Sch 40 Pipe							
Model	Length	NPT	0	1	2	3	4	5	6	7	8	9	10	11	12
AR-400-BR FLEX-07-075	28"	3/4"	9.4	11.5	13.0	15.8	18.0								
AR-400-BR FLEX-10-075	39"	3/4"	13.2	15.4	16.5	19.7	21.8	24.0							
AR-400-BR FLEX-12-075	47"	3/4"	19.7	21.9	22.0	26.2	28.4	30.5	32.7	34.8	37.0				
AR-400-BR FLEX-15-075	59"	3/4"	27.4	29.6	29.0	33.9	36.0	38.2	40.4	42.5	44.7	46.8	49.0		
AR-400-BR FLEX-18-075	71"	3/4"	26.0	28.2	27.0	32.6	34.7	36.9	39.0	41.2	43.4	45.5	47.7	49.8	52.0

				Num	ber o	f Ben	ds	Equivalent Length of 1 ft Sch 40 Pipe							
Model	Length	NPT	0	1	2	3	4	5	6	7	8	9	10	11	12
AR-400-BR FLEX-07-100	28"	1"	9.0	11.3	13.5	15.8	18.0								
AR-400-BR FLEX-10-100	39"	1"	12.8	15.0	17.3	19.5	21.8	24.0							
AR-400-BR FLEX-12-100	47"	1"	19.0	21.3	23.5	25.8	28.0	30.3	32.5	34.8	37.0				
AR-400-BR FLEX-15-100	59"	1"	26.5	28.8	31.0	33.3	35.5	37.8	40.0	42.3	44.5	46.8	49.0		
AR-400-BR FLEX-18-100	71"	1"	25.0	27.3	29.5	31.8	34.0	36.3	38.5	40.8	43.0	45.3	47.5	49.8	52.0



UNBRAIDED CONNECTIONS





- Save Time & Money
- •No cutting, no welding, no threading
- Perfect for retrofit applications
- Easy to move for layout changes
- •Most flexible hose in its class. UL: 3 bends 4" minimum radius

Full assembly includes Stainless Steel Unbraided Hose, Reducing Discharge Nipple, 1" Inlet Nipple, Hinged Lever Center Bracket, two End Brackets & 24" Square Bar

TECHNICAL DATA

- •UL Approved for Unbraided
- •Rated Pressure: 203 PSI (14 Bar)
- •Max. Burst Pressure: 875 PSI (70 Bar)
- •Maximum Ambient Temperature: 225°F (107°C)
- Designed for use in wet and dry systems
- •Flexibility Type: Limited
- •Hose Diameter: O.D. 1-1/16" / Flow 7/8"

Friction Loss Data and Specifications

UNBR	RAIDED	c(UL)us		1/:	2" NPT	3/4	" NPT		
		LISTED			Equivalent		Equivalent	Max.	Min.
		210125			Length of 1 ft		Length of 1 ft	# of	Bending
			Length	ITEM #	Sch 40 Pipe*	ITEM #	Sch 40 Pipe*	Bends	Radius
	AR-UB FLE	EX-07	28" (0.6 m)	6530160	27 ft	6530170	28 ft	2	4"
	AR-UB FLE	EX-10	40" (0.9 m)	6530161	37 ft	6530171	41 ft	2	4"
	AR-UB FLE	EX-12	48" (1.2 m)	6530162	49 ft	6530172	47 ft	2	4"
	AR-UB FLE	EX-15	60" (1.5 m)	6530163	63 ft	6530173	64 ft	3	4"
	AR-UB FLE	EX-18	72" (1.8 m)	6530164	78 ft	6530174	80 ft	4	4"

*Based on UL Listing

*Based on UL Listing

COMPONENT LIST

NO	Part Name	Material	QTY
1	Corrugated Tube	304 Stainless Steel	1
2	Nut	Galv Steel (ASTM283)	2
3	Isolation Ring	Nylon 66	1
4	O-Ring	EPDM	1
5	Reducer	Zinc Plated Steel	1
6	Nipple	Galv Steel (ASTM283)	1
7	Center Bracket	Galv Steel (ASTM283)	1
8	End Bracket	Galv Steel (ASTM283)	2
9	Square Bar	Galv Steel (ASTM283)	1

Anchoring components are intended for use with drop ceilings conforming to ASTM C635 and other major standards when installed in accordance with the standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panel, ASTMC C635 or other equivalent standards.

System No.	Location	
Submitted By	Date	

Spec Section	Paragraph	
Approved	Date	



UNBRAIDED CONNECTIONS



Friction Loss Data and Specifications

UNBR	AIDED CUL)US		1/3	2" NPT	3/4	" NPT		
	LISTED			Equivalent Length of 1 ft		Equivalent Length of 1 ft	Max. # of	Min. Bending
_		Length	ITEM #	Sch 40 Pipe*	ITEM #	Sch 40 Pipe*	Bends	Radius
	AR-UB FLEX-07	28" (0.7 m)	6530160	27 ft	6530170	28 ft	2	4"
	AR-UB FLEX-10	39" (0.9 m)	6530161	37 ft	6530171	41 ft	2	4"
	AR-UB FLEX-12	48" (1.2 m)	6530162	49 ft	6530172	47 ft	2	4"
	AR-UB FLEX-15	60" (1.5 m)	6530163	63 ft	6530173	64 ft	3	4"
	AR-UB FLEX-18	72" (1.8 m)	6530164	78 ft	6530174	80 ft	4	4"

*Based on UL Listing

*Based on UL Listing

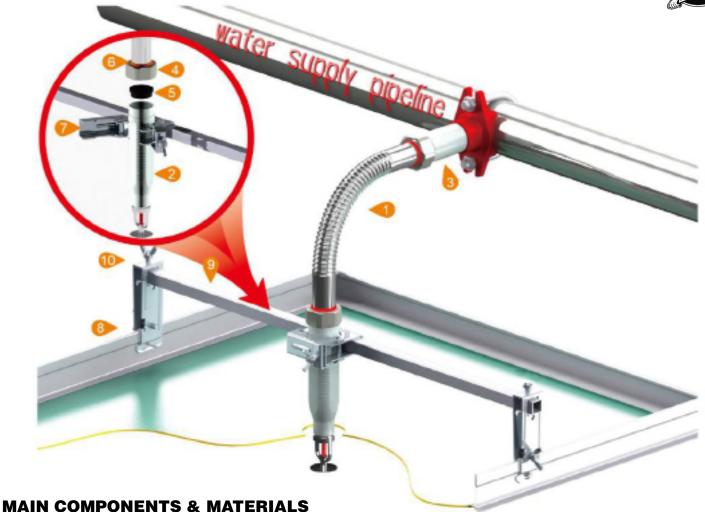
Equi	Number of Bends Equivalent Length of 1 ft Sch 40 Pipe											
Model	Length	NPT	0	1	2	3	4					
AR-UB FLEX-07-050	28"	1/2"	13.8	20.0	27.0							
AR-UB FLEX-10-050	39"	1/2"	17.5	24.0	30.5							
AR-UB FLEX-12-050	47"	1/2"	29.5	36.0	42.5							
AR-UB FLEX-15-050	59"	1/2"	43.5	50.0	56.5	63.0						
AR-UB FLEX-18-050	71"	1/2"	58.0	64.5	69.7	74.9	80.1					

Equi	Number of Bends Equivalent Length of 1 ft Sch 40 Pipe												
Model	Length	NPT	0	1	2	3	4						
AR-BR FLEX-07-075	28"	3/4"	20.4	24.3	28.0								
AR-BR FLEX-10-075	39"	3/4"	29.6	33.4	37.2								
AR-BR FLEX-12-075	47"	3/4"	35.6	39.4	43.2								
AR-BR FLEX-15-075	59"	3/4"	52.6	56.4	60.2	64.0							
AR-BR FLEX-18-075	71"	3/4"	59.1	66.3	71.5	76.7	81.9						



UNBRAIDED CONNECTIONS





MAIN COMPONENTS & MATER

- FLEXIBLE TUBE
- 2. DISCHARGE NIPPLE 1"
- 3. INLET NIPPLE
- 4. NUT
- 5. SEALING GASKET

304 STAINLESS STEEL ZINC PLATED STEEL

ZING PLATED STEEL

ZING FLATED STEEL

ZINC PLATED STEEL

EPDM

- 6. ISOLATION RING
- 7. CENTER BRACKET
- 8. END BRACKET(S)
- 9. SQUARE BAR
- 10. BOLTS & SCREWS

NYLON 66

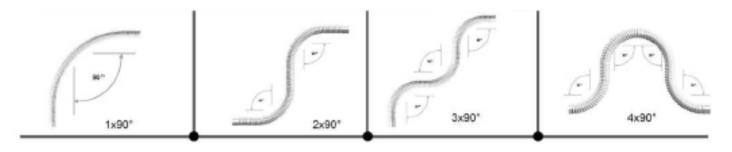
ZINC PLATED STEEL

ZINC PLATED STEEL

ZINC PLATED STEEL

ZINC PLATED STEEL

HOSE BENDING PARAMETERS





INSTALLATION INSTRUCTIONS

Determine the approximate place where the sprinklers will be located. The sprinkler should be located as close as possible to the center of the distance between ceiling grid's T-bars.

CONNECT INLET NIPPLE

Use a pipe wrench to screw the INLET NIPPLE into the branch outlet. Apply pipe joint compound or Teflon tape to the tapered threads to seal and tighten the branch line nipple into the branch line outlet, with 35ft-lbs/50N•m. DO NOT OVERTIGHTEN.





ATTACH BRACKET SET

Attach SIDE BRACKETS and SQUARE BAR to the main rail of the T-Bar grid, with the CENTER BRACKET in the middle. Tighten horizontal bolts on the side brackets with 3ft-lbs/4N•m. A second hole is pre-drilled for optional installation applications.





BENDING AND LOCATING

With CENTER BRACKET in the middle of the SQUARE BAR, bend the FLEXIBLE HOSE body as desired (According to hose bending parameters) and locate the DISCHARGE NIPPLE into the CENTER BRACKET and hinge arm and and tighten wing nut with 3ft-lbs/4N•m torque, after the proper location of sprinkler head has been determined.





CONNECT DISCHARGE NIPPLE

Apply Teflon tape to the male threads of the sprinkler. Tighten slip nuts of CENTER BRACKET and install sprinkler head to discharge nipple by following the sprinkler manufacturer's installation instructions.

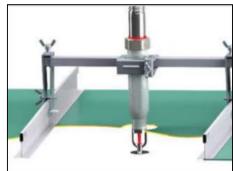


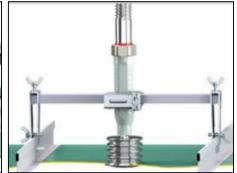


TEST

After installation is complete, test the system for leaks in accordance with NFPA guidelines.

Simply add 4x sheet metal screws to build a tamper resistant installation.

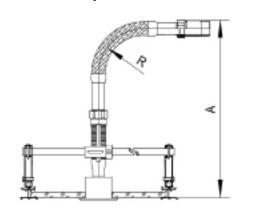






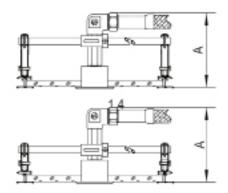
INSTALLATION CLEARANCE SPECIFICATIONS

Concealed Sprinklers on T-Bar Grid



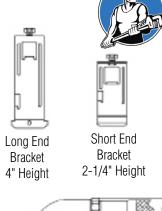
Straight Reducer + Standard End Bracket

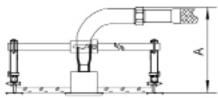
Installation Clearance (inch/mm)						
		UL	FM			
R	min. bend radius	3.9/100	9.8/250			
А	minimum height	13.4/340	20.0/510			



Cast Elbow Reducer + Long, Short & B-Shaped End Brackets

Insta	allation Clearance	e (inch/mm)		
Α	minimum height	5.3/135		

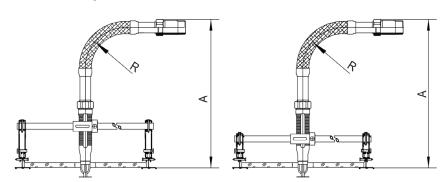




Elbow Reducer + Long End Brackets

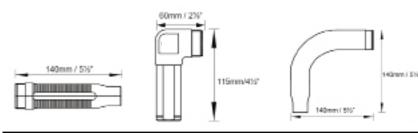
Installation Clearance (inch/mm)					
Α	minimum height	6.3/160			

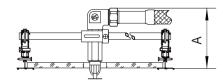
Pendent Sprinklers on T-Bar Grid



Straight Reducer + Long & Short End Bracket

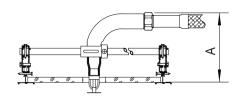
	Installation Clearance (inch/mm)							
		AR-UB	AR-BR		AR-400-BR			
			UL	FM	UL	FM		
R	min. bend radius	3.9/100	3.9/100	9.8/250	2/50	6.9/175		
А	minimum height	14.0/360	14.0/360	20.0/510	11.4/360	16.5/420		





Cast 90° Reducer + Long & Short End Bracket

Installation Clearance (inch/mm)						
		AR-UB	AR-BR	AR-400-BR		
		UL	FM	FM		
Α	min. height	5.3/135	5.3/135	5.3/135		



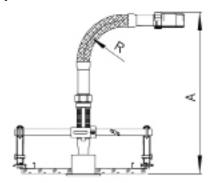
Long 90° Degree Reducer + Short End Bracket

Installation Clearance (inch/mm)						
		AR-UB	AR-BR	AR-400-BR		
		UL	FM	FM		
Α	min. height	6.3/160	6.3/160	6.3/160		



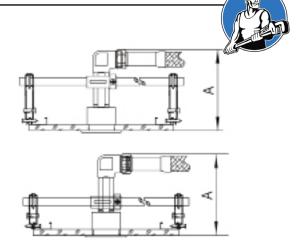
INSTALLATION CLEARANCE SPECIFICATIONS

Concealed Sprinklers on C-Beam



Straight Reducer + Long End Bracket

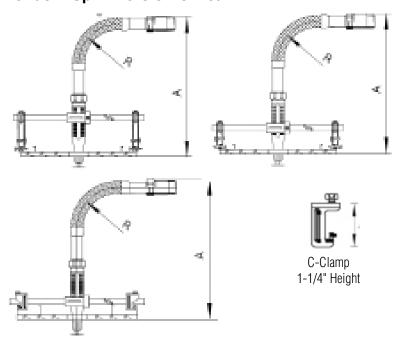
	Installation Clearance (inch/mm)							
		AR-UB	AR-	-BR	AR-40	00-BR		
		UL	UL	FM	UL	FM		
R	min. bend radius	3.9/100	3.9/100	9.8/250	2/50	6.9/175		
Α	min. height	15.4/390	16.1/410	22/560	13.4/340	18.5/470		



Cast 90° Degree Reducer + Long & Short End Bracket

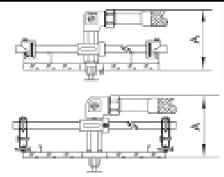
Installation Clearance (inch/mm)						
		AR-UB	AR-BR	AR-400-BR		
		UL	FM	FM		
Α	min. height	7.5/190	7.5/190	7.5/190		

Pendent Sprinklers on C-Beam



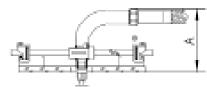
Straight Reducer + Long, Short End Bracket & C-Clamp

	Straight heducer + Long, Short End Bracket & C-Clamp						
	Installation Clearance (inch/mm)						
		AR-UB	-UB AR-BR		AR-400-BR		
			UL	FM	UL	FM	
R	min. bend radius	3.9/100	3.9/100	9.8/250	2/50	6.9/175	
А	minimum height	13.4/340	14.0/360	20.0/510	11.4/360	16.5/420	



Cast 90° Degree Reducer + Short End Bracket & C-Clamp

	Installation Clearance (inch/mm)						
		AR-UB	AR-BR	AR-400-BR			
		UL	FM	FM			
Α	min. height	5.3/135	5.3/135	5.3/135			



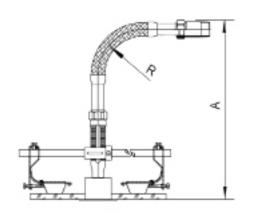
Elbow Reducer + Short End Bracket & C-Clamp

Installation Clearance (inch/mm)						
		AR-UB	AR-BR	AR-400-BR		
		UL	FM	FM		
Α	min. height	6.3/160	6.3/160	6.3/160		

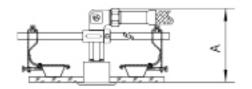


INSTALLATION CLEARANCE SPECIFICATIONS









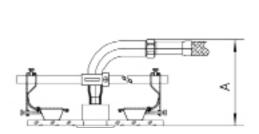
Straight Reducer + Hat Furring Bracket

	Installation Clearance (inch/mm)							
		AR-UB AR-BR		AR-40	00-BR			
		UL	UL	FM	UL	FM		
R	min. bend radius	3.9/100	3.9/100	9.8/250	2/50	6.9/175		
Α	min. height	15.4/390	16.1/410	22/560	13.4/340	18.5/470		

Cast 90° Degree Reducer + Hat Furring Bracket

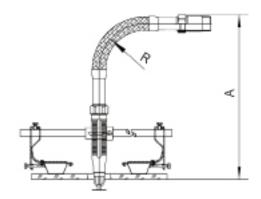
Installation Clearance (inch/mm)									
		AR-UB	JB AR-BR AR-400						
		UL	FM	FM					
Α	min. height	7.5/190	7.5/190	7.5/190					

Pendent Sprinklers on Hat Furring Channel



Elbow Reducer + Hat Furring Bracket

Installation Clearance (inch/mm)									
		AR-UB AR-BR		AR-400-BR					
		UL	FM	FM					
Α	min. height	8.3/210	8.3/210	8.3/210					



Straight Reducer + Hat Furring Bracket

Installation Clearance (inch/mm)									
		AR-UB	AR-BR		AR-400-BR				
		UL	UL	FM	UL	FM			
R	min. bend radius	3.9/100	3.9/100	9.8/250	2/50	6.9/175			
Α	min. height	13.4/340	14/360	20/510	11.4/290	1865/420			



ACCESSORIES



90° Reducing Nipple for Braided & Unbraided

6530190: 1" x 1/2" 6530192: 1" x 3/4"

for MegaFlex:

6531190: 1" x 1/2" 6531192: 1" x 3/4"



Straight Reducing Nipple

for Braided & Unbraided 6530181: 1" x 1/2" standard 6530180: 1" x 3/4" standard 6530191: 1" x 1/2" x 10" length

for MegaFlex:

6531181: 1" x 1/2" standard 6531180: 1" x 3/4" standard 6531191: 1" x 1/2" x 10" length 6531191-3/4: 1" x 3/4" x 10" length



Flex Hose End Brackets

6530185: Standard 4" End Brackets (sold each) 6530183: Short 2-1/4" End Brackets (sold each)



6530194 : Metal Stud End Bracket (C-Clamp)





6530195: Furring Channel End Bracket (Hat Channel Bracket)





Flex Hose Center Brackets 6530184: Center bracket with hinged lever handle



Flex Hose Square Bar

6530182: 25" Square bar to fit standard ceiling tile grids





We warrant all ARGCO Brand Flexible Fire Sprinkler Drop products to be free from defects in materials and workmanship under normal conditions of use and service.

Our obligation under this warranty is limited to repairing at our option at our factory or designated facility any product which shall within 1 year after delivery to the original buyer be returned with transportation charges prepaid, and which our examination and inspection shall show to our satisfaction to have been defective.

This warranty is made expressly in lieu of any other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose.

The buyer's sole and exclusive remedy shall be for the replacement or repair of defective products as provided herein.

The buyer agrees that no other remedy (including but not limited to), incidental or consequential damages for lost profits, lost sales, injury to person or

property or any other incidental or consequential loss shall be available to him/her.

Argco neither assumes nor authorizes any person to assume for it any other liability in connection with the sale of such products.

This warranty shall not apply to any product which has been the subject to misuse, negligence or accident, which has been repaired or altered in any manner outside

of Argco's factory or designated facility or which has been used in a manner contrary to Argco's instructions, recommendations or generally accepted practices.

Argco shall not be responsible for design errors due to inaccurate or incomplete information supplied by the buyer or his representatives.







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