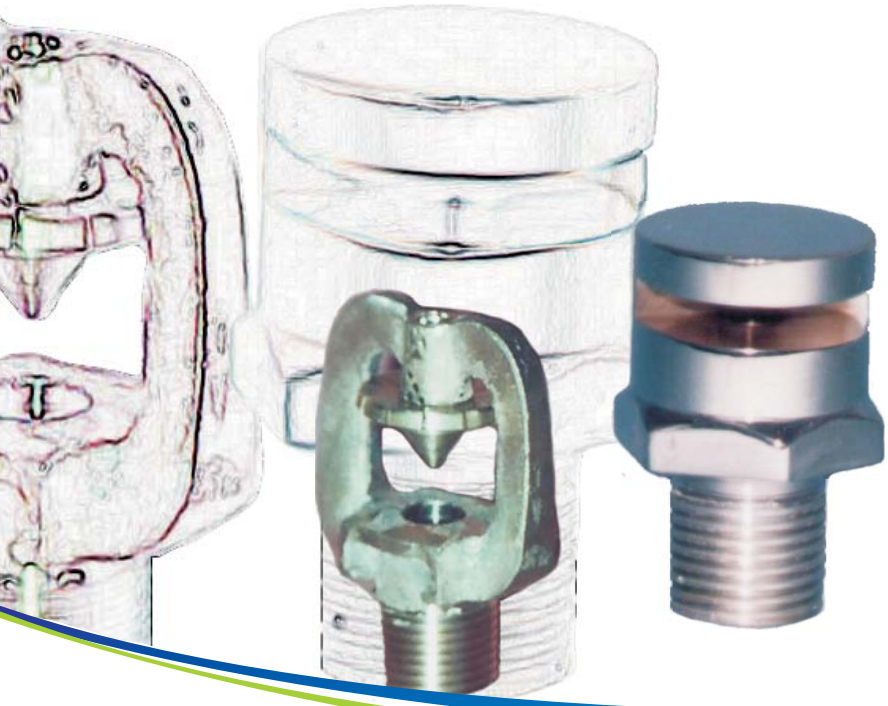

ATEX approved

Foam Sprinklers

model number 1080

Product Description

A fire sprinkler is the part of a fire sprinkler system that discharges water or foam when the effects of a fire have been detected, such as when a predetermined temperature has been reached. Model Number 1080 sprinklers are designed for fire fighting for water and foam applications. Sprinklers are designed and manufactured for your special needs. STORAGETECH® provides compete design, manufacturing and installation of sprinkler systems for industrial plants. STORAGETECH® follows fire sprinkler application and installation guidelines, and overall fire sprinkler system design guidelines, provided by the National Fire Protection Association (NFPA) 13, (NFPA) 13D, and (NFPA) 13R.

Product Benefits

- Easy to install. You do not need a special tool or experience to install.
- Resistant to corrosion.

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Key Features

- Design data obtained from tests in still air.
- Design data applies to a residual (flowing) pressure range at the nozzle inlet of 20 to 60 psi (1.4 to 4.1 bar). For pressures up to 175 psi (12.1 bar) consult the Technical Data Department. Refer to the authority having jurisdiction frothier minimum required residual pressure.
- The shapes of the Design Spray Profiles remain essentially un-changed over the maximum Axial Distances shown on Pages 3 and 4.
- For axial distances of 2 feet (0.6 meters) and less and for nozzle
- Spray angles of 65' to 140', the Design Spray Profile is the same as the nominal spray angle.
- The maximum Axial Distances shown on Pages 3 and 4 are based on exposure protection

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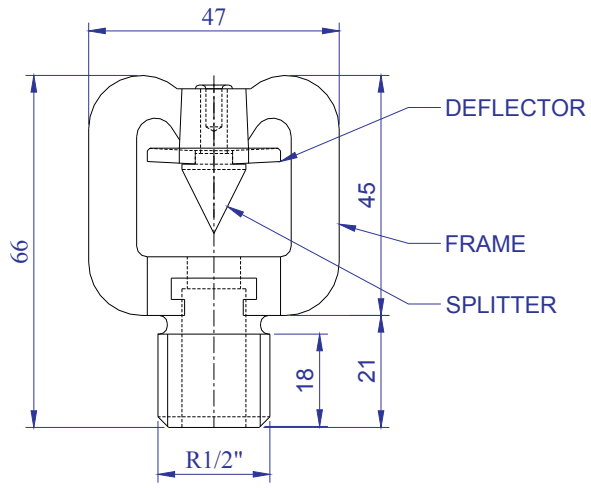
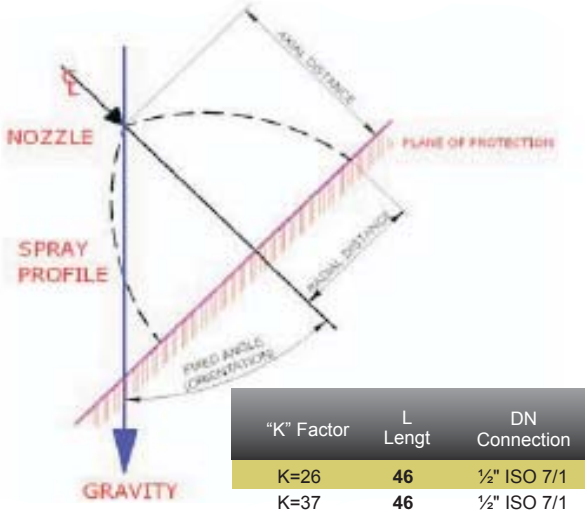
Dimension and Weights





"K" Factor	L Lengt	DN Connection	Weight kg.
K=26	**46**	½" ISO 7/1	**0.15**
K=37	**46**	½" ISO 7/1	**015**
K=49.9	**46**	½" ISO 7/1	**0.15**

Maximum Axial Distance for 125° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	10-6	**12-6**	13-0	**13-3**	14-6	**15-0**	15-6
30°	8-3	**10-9**	10-9	**11-9**	12-6	**13-6**	13-9
45°	7-3	**10-0**	10-0	**11-9**	11-6	**12-6**	12-9
60°	6-6	**9-3**	9-6	**10-9**	11-0	**11-9**	12-6
90°	6-0	**8-6**	9-0	**10-3**	10-6	**10-9**	11-6
120°	5-9	**7-6**	7-6	**7-6**	8-3	**9-0**	9-6
135°	5-6	**6-0**	6-3	**6-6**	7-0	**8-0**	8-6
150°	5-3	**5-6**	5-6	**5-9**	6-3	**7-3**	7-6
180°	5-0	**5-0**	5-0	**5-6**	5-9	**6-6**	7-0

Maximum Axial Distance for 125° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	4-6	**5-0**	6-6	**7-9**	10-0	**10-3**	10-6
30°	3-9	**3-9**	6-3	**6-9**	8-6	**8-6**	8-9
45°	3-0	**3-6**	5-9	**6-0**	7-9	**7-6**	8-3
60°	2-6	**3-0**	5-6	**5-9**	7-3	**7-3**	7-9
90°	2-0	**2-9**	4-9	**5-0**	5-9	**6-0**	6-6
120°	1-9	**2-3**	3-3	**3-3**	3-9	**3-9**	4-6
135°	1-6	**1-9**	2-6	**2-6**	3-3	**3-3**	3-9
150°	1-6	**1-6**	2-0	**2-3**	2-6	**2-9**	3-6
180°	1-3	**1-3**	1-9	**2-0**	2-3	**2-6**	3-3

Maximum Axial Distance for 80° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	9-0	**10-6**	11-0	**12-0**	13-0	14-0	14-0
30°	7-3	**8-3**	8-9	**10-6**	11-6	12-3	12-3
45°	6-3	**7-6**	8-0	**10-3**	10-6	11-3	11-3
60°	5-6	**7-0**	7-6	**10-0**	10-3	10-9	10-9
90°	5-0	**6-0**	7-0	**9-3**	9-6	9-9	10-0
120°	4-6	**4-9**	5-9	**6-6**	7-3	7-0	8-0
135°	4-3	**4-6**	5-0	**5-6**	6-0	6-3	6-9
150°	4-0	**4-0**	4-6	**5-0**	5-6	5-6	6-0
180°	3-9	**3-9**	4-0	**4-6**	4-9	5-3	5-6

Maximum Axial Distance for 140° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	4-0	**4-6**	6-0	**6-6**	8-0	8-0	8-0
30°	3-3	**3-6**	5-6	**5-6**	6-3	7-0	7-0
45°	2-9	**2-9**	5-0	**5-0**	5-6	6-6	6-6
60°	2-3	**2-6**	4-6	**4-6**	5-3	5-6	5-9
90°	1-9	**2-3**	4-0	**4-0**	4-6	4-6	5-0
120°	1-6	**1-9**	2-3	**2-6**	2-6	3-0	3-6
135°	1-3	**1-6**	1-6	**1-9**	2-0	2-6	2-9
150°	1-3	**1-3**	1-6	**1-6**	1-9	2-3	2-6
180°	1-0	**1-0**	1-3	**1-3**	1-6	2-0	2-3

Maximum Axial Distance for 95° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	7-0	**7-9**	9-6	**10-6**	11-0	12-0	12-6
30°	5-9	**6-6**	7-9	**9-9**	10-6	10-9	11-0
45°	5-3	**6-3**	7-0	**96**	9-9	10-3	10-3
60°	4-9	**6-0**	6-9	**9-3**	9-6	9-9	9-9
90°	4-0	**5-0**	6-6	**8-3**	8-6	8-9	8-9
120°	3-6	**3-9**	5-0	**5-3**	6-3	6-0	6-6
135°	3-3	**3-6**	4-0	**4-6**	5-3	5-3	5-6
150°	3-0	**3-0**	3-6	**4-0**	4-6	4-6	4-9
180°	3-0	**3-0**	3-3	**3-9**	4-0	4-3	4-6

Maximum Axial Distance for 160° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	3-6	**3-9**	4-9	**5-0**	6-0	**6-9**	7-0
30°	2-9	**3-0**	4-3	**4-6**	5-0	**5-9**	6-3
45°	2-3	**2-6**	3-9	**4-0**	4-6	**5-3**	5-6
60°	1-9	**2-3**	3-6	**3-9**	4-3	**4-9**	5-3
90°	1-3	**1-9**	3-0	**3-3**	3-6	**3-9**	4-3
120°	1-0	**1-3**	1-6	**2-0**	2-0	**2-3**	2-6
135°	1-0	**1-0**	1-3	**1-3**	1-6	**1-9**	2-0
150°	0-9	**0-9**	1-0	**1-0**	1-6	**1-6**	1-9
180°	0-9	**0-9**	0-9	**0-9**	1-3	**1-6**	1-6

Maximum Axial Distance for 110° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	6-0	**7-0**	9-0	**9-6**	11-0	**11-3**	11-6
30°	5-3	**6-3**	7-3	**8-9**	9-6	**9-9**	10-0
45°	4-9	**5-9**	6-6	**8-6**	9-0	**9-0**	9-3
60°	4-3	**5-6**	6-3	**8-3**	8-6	**8-6**	8-9
90°	3-6	**4-6**	5-9	**7-6**	7-6	**7-6**	7-9
120°	2-9	**3-3**	4-6	**4-6**	5-6	**5-6**	5-6
135°	2-6	**2-9**	3-6	**3-6**	4-6	**4-6**	4-9
150°	2-3	**2-6**	3-0	**3-3**	3-6	**3-9**	4-3
180°	2-3	**2-3**	2-9	**3-0**	3-3	**3-6**	3-9

Maximum Axial Distance for 180° Spray Angle In Feet and Inches

Fixed Angle	Orifice Size 16	18	21	24	28	32	34
0°	2-9	**3-0**	3-6	**3-6**	4-0	**6-0**	6-0
30°	2-3	**2-3**	3-6	**3-6**	3-9	**5-0**	5-0
45°	1-9	**2-0**	3-3	**3-3**	3-6	**4-3**	4-3
60°	1-6	**1-9**	2-9	**2-9**	3-3	**3-9**	3-9
90°	1-0	**1-6**	2-0	**2-0**	2-6	**3-0**	3-0
120°	0-9	**1-0**	1-0	**1-0**	1-6	**1-6**	1-6
135°	0-6	**0-9**	0-9	**0-9**	1-3	**1-3**	1-3
150°	0-6	**0-6**	0-6	**0-6**	1-0	**1-0**	1-0
180°	0-6	**0-6**	0-6	**0-6**	0-9	**0-9**	0-9

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