



The Industry's Leading Line of Residential Concealed Sprinklers

- Wide range of K-Factors to accommodate various water supplies
 - Pendants available in 3.0K, 4.9K and 5.8K
 - Horizontal sidewalls available in 4.0K and 5.8K
- Sidewall coverage areas up to 16 x 22 ft (4.9 x 6.7 m) and 18 x 20 ft (5.5 x 6.1 m)
- All available in both ordinary and intermediate temperature
- Available in corrosion-resistant "Electroless Nickel PTFE" (ENT) plating
- Pendant cover plates available in two sizes and square
- Cover plates available in nine standard finishes and custom colors

Viking now offers the ability for customers to order custom design cover plates for both residential and commercial sprinkler projects. This new cULus Listed and FM Approved feature, exclusive to Viking, allows customers to include logos and custom artwork on their sprinkler cover plates.

The new custom design process is possible for almost any Viking flat cover plate, including small, standard, extra-large orifice, sidewall, and square models. Approved base finishes include standard and custom painted, brass, and stainless steel metallic, for a high degree of design flexibility.



Samples of the Custom Design Process

To learn more or place an order, contact your local Viking SupplyNet!

Viking Group, Inc.

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Telephone: (269) 945-9501

www.vikinggroupinc.com

Trusted above all.™

Cover Plates

Technical datasheet Sprinkler F_040600



Standard
Thread On Part No. 23190
Push On Part No. 23447
 2-3/4" (70mm) diameter



Large
Thread On Part No. 23174
Push On Part No. 23463
 3-5/16" (84mm) diameter
 (Part No. 16207 for VK480 and VK490)



Square
Thread On Part No. 23179
Push On Part No. 23482
 3-5/16" (84mm) L x W

Standard Finishes



Antique Brass



Brushed Chrome



White



Ivory



Bright Brass



Polished Chrome



Brushed Brass



Brushed Copper



Black

MKT-0010



Flat Plate Concealed Pendent Sprinklers

Cover Plate Temp = 135°F/57°C and 165°F/74°C; Adjustment up to 1/2" (13 mm)

VK496, 3.0(43) K-factor

Part No. 22793
 Technical datasheet F_112817
 Temperature: 155°F (68°C)
 200°F (93°C)



VK494, 4.9 (71) K-factor

Part No. 20759
 Technical datasheet F_012116
 Temperature: 155°F (68°C)
 200°F (93°C)

VK498, 5.8 (84) K-factor

Part No. 22037
 Technical datasheet F_112817
 Temperature: 155°F (68°C)
 200°F (93°C)

Coverage Area ft (m)	Horizontal Ceiling	
	Flow (gpm) (lpm)	Pressure (psi) (kPa)
12 x 12 (3,7x3,7)	8 (30)	7.1 (49)
14 x 14 (4,3x4,3)	12 (45)	16 (110)
16 x 16 (4,9x4,9)	15 (56)	25 (172)

*UL Listed flow rates are identical for both temperature ratings.

12 x 12 (3,7x3,7)	13 (49)	7.0 (48)
14 x 14 (4,3x4,3)	13 (49)	7.0 (48)
16 x 16 (4,9x4,9)	13 (49)	7.0 (48)
18 x 18 (5,5x5,5)	17 (64)	12.0 (83)
20 x 20 (6,1x6,1)	20 (76)	16.7 (115)

*UL Listed flow rates are identical for both temperature ratings.

12 x 12 (3,7x3,7)	16 (61)	7.6 (52)
14 x 14 (4,3x4,3)	16 (61)	7.6 (52)
16 x 16 (4,9x4,9)	16 (61)	7.6 (52)
18 x 18 (5,5x5,5)	17 (64)	8.6 (59)
20 x 20 (6,1x6,1)	20 (76)	11.9 (82)

*UL Listed flow rates are identical for both temperature ratings.

Flat Plate Concealed Sidewall Sprinklers

Cover Plate Temp = 135°F/57°C

VK480, 4.0 (58) K-factor

Part No. 16116AC
 Technical datasheet F_121609
 Temperature: 165°F (74°C)
 205°F (96°C)



VK490, 5.8 (84) K-factor

Part No. 20409
 Technical datasheet F_032116
 Temperature: 165°F (74°C)
 205°F (96°C)

Coverage Area ft (m)	4-6" (102mm-152mm) From Ceiling		6-12" (152mm-305mm) From Ceiling	
	Flow gpm (lpm)	Pressure psi (kPa)	Flow gpm (lpm)	Pressure psi (kPa)
12 x 12 (3,7x3,7)	11 (42)*	7.6 (52)	12 (46)**	9.0 (62)
14 x 14 (4,3x4,3)	13 (49)*	10.6 (73)	14 (53)**	12.3 (84)
16 x 16 (4,9x4,9)	16 (61)*	16.0 (110)	16 (61)**	16.0 (110)
16 x 18 (4,9x5,5)	17 (64)*	18.1 (125)	18 (68)**	20.3 (140)

*Centerline of the sprinkler located 4-3/8" (111mm) to 6-3/8" (162mm) below the ceiling.
 **Centerline of the sprinkler located 6-3/8" (162mm) to 12-3/8" (314mm) below the ceiling

12 x 12 (3,7x3,7)	16 (70)*	7.6 (52)	17 (64)**	8.6 (59)
14 x 14 (4,3x4,3)	17 (64)*	8.6 (59)	17 (64)**	8.6 (59)
16 x 16 (4,9x4,9)	18 (68)*	9.6 (66)	19 (72)**	10.7 (74)
16 x 18 (4,9x5,5)	21 (80)*	13.1 (90)	21 (80)**	13.1 (90)
16 x 20 (4,3x4,3)	23 (87)*	15.7 (108)	26 (98)**	20.1 (139)
16 x 22 (4,9x4,9)	31 (117)*	28.6 (197)	31 (117)**	28.6 (197)
18 x 20 (4,9x5,5)	28 (106)*	23.3 (161)	28 (106)**	23.3 (161)

*Centerline of the sprinkler located 4-3/8" (111mm) to 6-3/8" (162mm) below the ceiling.
 **Centerline of the sprinkler located 6-3/8" (162mm) to 12-3/8" (314mm) below the ceiling.