



The industry's leading line of residential concealed sprinklers

- Wide range of K-Factors to accommodate various water supplies
- The most options available for 13D, 13R and 13 residential occupancies
- Concealed pendants available in 3.0K, 3.7K, 4.9K and 5.8K
 - Optimized flows and pressures for the most common coverage areas
 - Flows as low as 8GPM
- Concealed sidewalls available in 4.0K and 5.8K
 - Sidewall coverage areas up to 16' x 22' and 18' x 20'
 - Ships with a dedicated strap for installation in a 2x4 wall
- All are 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

For more information, please contact your Viking sales representative or visit our website at vikinggroupinc.com.

CONCEALED SPRINKLERS

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

DIGITAL TOOLS

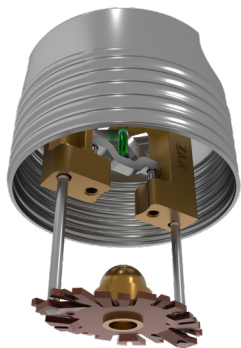


Viking's revolutionary Sprinkler Selector ensures that you can find the right sprinkler for the job — every time. Get started by visiting webtools.vikingcorp.com/sprinklerselector.



Flat Plate Concealed Pendent Sprinklers

Cover Plate Temp = 139°F/59°C and 165°F/74°C; Adjustment up to 1/2" (13 mm)



VK496, 3.0 (43) K-factor

Part No. 23763
 Technical datasheet F_032218
 Temperature: 155°F (68°C)
 200°F (93°C)

VK495, 3.7 (53) K-factor

Part No. 25639
 Technical datasheet F_041623
 Temperature: 155°F (68°C)
 200°F (93°C)

VK494, 4.9 (71) K-factor

Part No. 23707
 Technical datasheet F_012116
 Temperature: 155°F (68°C)
 200°F (93°C)

VK498, 5.8 (84) K-factor

Part No. 23764
 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)	10 (36)	7.3 (50)
14 x 14 (4,3x4,3)	10 (36)	7.3 (50)
15 x 15 (4,6x4,6)	12 (45)	10.5 (70)
16 x 16 (4,9x4,9)	13 (49)	12.3 (80)
18 x 18 (5,5x5,5)	17 (64)	21.1 (150)

*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)	17 (64)	8.6 (59)
16 x 16 (4,9x4,9)	17 (64)	8.6 (59)
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 = 139°F/59°C (VK480, VK490) and 165°F/74°C (VK490)



VK480, 4.0 (58) K-factor

Part No. 16116
 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
 UL Listed flow rates apply only to ordinary temperature ratings.

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)	19 (72)*	9.6 (66)	19 (72)**	10.7 (74)
16 x 18 (4,9x5,5)	22 (84)*	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.
 UL Listed flow rates are identical to both temperature ratings.