



VNIV.EX454 Sprinklers, Automatic and Open

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[See General Information for Sprinklers, Automatic and Open](#)

RELIABLE AUTOMATIC SPRINKLER CO INC

EX454

1470 SMITH GROVE RD
LIBERTY, SC 29657 USA

Sprinkler Identification Numbers (SIN) R1314, R1334, R1344, R1364, R4441, R4514, R4534, R6115 fusible element type. Chrome plated models identified by a black painted fusible link.

Sprinkler Identification Numbers (SIN) R1711, R1713, R1715, R1712, R1721, R1722, R1723, R1725, R1735, R1742, R1745, R1762, R1785, R2511, R2513, R2512, R2518, R3611, R3612, R3613, R3615, R3621, R3622, R3623, R3625, R3635, R3685, R4842, R4845, R4862, R4865, R5314, R5334, R5512, R5522, R5612, R5622, R5714, R5734, R5842, R5845, R5942, R5962, R6834, R7022, R7025, R7092, R7095, RA0212, RA0362, RA1311, RA1313, RA1314, RA1321, RA1323, RA1411, RA1421, RA1421, RA1413, RA1423, RA1564, RA1664, RA7216, RA7326, RA1325, RA1335, RA1385, RA1425, RA1435, RA1485, RA2514, RA2525, RA2614, RA2625, RA2634, RA2745, RA2845, RA2865, RA2945, and RA3045 glass bulb type. Plated models identified by stake mark on wrench boss. Decorative baked enamel coated Models identified by a color code dot applied to the deflector.

Sprinkler Identification Numbers (SIN) R1012, R1011, R1013, R1015, R1016, R1017, R1022, R1021, R1023, R1025, R1026, R1027, R1113, R1117, R1118, R1265, R1267, R1233, R1235, R1231, R1236, R1237, R1425, R1427, R1511, R1512, R1513, R1515, R1518, R2111, R2113, R2115, R2112, R2118, R2211, R2212, R2213, R2215, R2218, R3131, R3133, R4613, R4711, R4712, R4713, R4715, R4718, R5411, R5412, R5413, R5415, R5418, R6115, R6118, R6215, R6218, R7216, R7326, RA0852, RA3415, RA3413 fusible element type. Chrome plated models identified by diamond shape stamped on boss of frame. Decorative painted sprinklers are identified by unplated or unpainted operating parts.

Sprinkler Identification Numbers (SIN) R2921, R3111, R3113, R3115, R3117, R3121, R3123, R3125, R3127, R3135, R3137, R3195, R3197, R6043, R6553, R6932, RA1124 soldered strut type. Plated models identified by a small machined bronze area adjacent to the sprinkler seat and visible below the cap.

Sprinkler Identification Numbers (SIN) RA3614, RA3624, RA3914, RA3924 Mini Link type.

UPRIGHT AND PENDENT STANDARD SPRINKLERS

NOMINAL 5.6 K - FACTOR

SIN	Response Type	Type	System Working Pressure, psig	Temp Rating, °F
R3115	QR	Pendent	175	165, 212
R3615	QR	Pendent	175	135, 155, 175, 200, 286
RA1414	QR	Pendent	175	135, 155, 175, 200, 286
*RA3614	QR	Pendent	175	165, 212
RA1425	QR	Upright	175	135, 155, 175, 200, 286, 360
RA2614	QR	Pendent	300	135, 155, 175, 200, 286
RA2625	QR	Upright	300	135, 155, 175, 200, 286
R5615	QR	Pendent	300	135, 155, 175, 200, 286
R3125	QR	Upright	175	165, 212
R3625	QR	Upright	175	135, 155, 175, 200, 286
R5625	QR	Upright	300	135, 155, 175, 200, 286
R1715	SR	Pendent	175	135, 155, 175, 200, 286, 360
RA1314	SR	Pendent	175	135, 155, 175, 200, 286, 360
RA1325	SR	Upright	175	135, 155, 175, 200, 286, 360

RA2514	SR	Pendent	300	135, 155, 175, 200, 286
RA2525	SR	Upright	300	135, 155, 175, 200, 286
R1015	SR	Pendent	175	135, 165, 212, 286
R1725	SR	Upright	175	135, 155, 175, 200, 286, 360
R1025	SR	Upright	175	135, 165, 212, 286
RA3914*	QR	Pendent, Rec. Pendent,	175	165, 212
RA3624*	QR	Upright	175	165, 212
RA3624*	QR	Upright	175	165, 212

* - Quick Responsive Fusible Link (Mini Link).

NOMINAL 1.4 TO 4.2 K - FACTOR

SIN	Response Type	Type	Nom K-Factor	System Working Pressure, psig	Temp Rating, °F
R3111	QR	Pendent	2.8	175	165, 212
R3611	QR	Pendent	2.8	175	135, 155, 175, 200, 286
R3113	QR	Pendent	4.2	175	165, 212
R3613	QR	Pendent	4.2	175	135, 155, 175, 200, 286
R3121	QR	Upright	2.8	175	165, 212
R3621	QR	Upright	2.8	175	135, 155, 175, 200, 286
R3123	QR	Upright	4.2	175	165, 212
R3623	QR	Upright	4.2	175	135, 155, 175, 200, 286
R1012	SR	Pendent	1.9	175	135, 165, 212, 286
R1011	SR	Pendent	2.8	175	135, 165, 212, 286
R1711	SR	Pendent	2.8	175	135, 155, 175, 200, 286, 360
R1013	SR	Pendent	4.2	175	135, 165, 212, 286
R1713	SR	Pendent	4.2	175	135, 155, 175, 200, 286, 360
R1022	SR	Upright	1.9	175	135, 165, 212, 286
R1021	SR	Upright	2.8	175	135, 165, 212, 286
R1721	SR	Upright	2.8	175	135, 155, 175, 200, 286, 360
R1023	SR	Upright	4.2	175	135, 165, 212, 286
R1723	SR	Upright	4.2	175	135, 155, 175, 200, 286, 360
RA1311	SR	Pendent	2.8	175	135, 155, 175, 200, 286, 360
RA1313	SR	Pendent	4.2	175	135, 155, 175, 200, 286, 360
RA1411	QR	Pendent	2.8	175	135, 155, 175, 200, 286
RA1413	QR	Pendent	4.2	175	135, 155, 175, 200, 286
RA1321	SR	Upright	2.8	175	135, 155, 175, 200, 286, 360
RA1323	SR	Upright	4.2	175	135, 155, 175, 200, 286, 360
RA1421	QR	Upright	2.8	175	135, 155, 175, 200, 286
RA1423	QR	Upright	4.2	175	135, 155, 175, 200, 286

NOMINAL 8.0 K - FACTOR

SIN	Response Type	Type	Inlet Thread NPT	System Working Pressure, psig	Temp Rating, °F
R3117	QR	Pendent	3/4	175	165, 212

R3612	QR	Pendent	3/4	175	135, 155, 175, 200, 286
R5612	QR	Pendent	3/4	300	135, 155, 175, 200, 286
R3127	QR	Upright	3/4	175	165, 212
R3622	QR	Upright	3/4	175	135, 155, 175, 200, 286
R5622	QR	Upright	3/4	300	135, 155, 175, 200, 286
R1016	SR	Pendent	1/2	175	135, 165, 212, 286
R1017	SR	Pendent	3/4	175	135, 165, 212, 286
R5512	SR	Pendent	3/4	300	135, 155, 175, 200, 286, 360
R1712	SR	Rec. Pendent	3/4	175	135, 155, 175, 200
R1026	SR	Upright	1/2	175	135, 165, 212, 286
R1027	SR	Upright	3/4	175	135, 165, 212, 286
R1722	SR	Upright	3/4	175	135, 155, 175, 200, 286, 360
R5522	SR	Upright	3/4	300	135, 155, 175, 200, 286, 360

STANDARD SIDEWALL SPRAY SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	System Working Pressure, psig	Temp Rating, °F
R1334*	QR	Flush HSW	5.6	175	165
R4534*+	QR	Flush HSW	5.6	175	165
R3131	QR	HSW	2.8	175	165, 212
R3133	QR	HSW	4.2	175	165, 212
R3635+	QR	HSW	5.6	175	135, 155, 175, 200, 286
RA1435+*	QR	HSW	5.6	175	135, 155, 175, 200, 286
R3135+	QR	HSW	5.6	175	165, 212
R3137	QR	HSW	8.0	175	165, 212
R3685	QR	VSW	5.6	175	135, 155, 175, 200, 286, 300
RA1485	QR	VSW	5.6	175	135, 155, 175, 200, 286, 300
R1231	SR	HSW	2.8	175	135, 165, 212, 286
R1233	SR	HSW	4.2	175	135, 165, 212, 286
R1233	SR	HSW	4.2	175	135
R1235+	SR	HSW	5.6	175	135, 165, 212, 286
R1735	SR	HSW	5.6	175	135, 155, 175, 200, 286, 360
RA1335	SR	HSW	5.6	175	135, 155, 175, 200, 286, 360
R1235+	SR	HSW	5.6	175	135
R1236	SR	HSW	8.0	175	135, 165, 212, 286
R1237	SR	HSW	8.0	175	135, 165, 212, 286
R1785	SR	VSW	5.6	175	135, 155, 175, 200, 286, 360
RA1385	SR	VSW	5.6	175	135, 155, 175, 200, 286, 360
R6834*+@	QR	Conc. HSW	5.6	300	155
RA2634*+@	QR	Conc. HSW	5.6	300	155

*For installation 4 to 12 in. below ceiling.

+For ordinary hazard occupancy.

@ Utilizes a 135°F temperature rated cover plate.

FLUSH, RECESSED AND CONCEALED SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	Temp Rating °F	
				Cover	Sprinkler
R5411#	QR	Conc. Pendent	2.8	135, 165	165, 212
R5412#	QR	Conc. Pendent	2.8	135, 165	165, 212
R2511#	QR	Conc. Pendent	2.8	135	135
R2513#	QR	Conc. Pendent	4.2	135	135, 155
R5413#	QR	Conc. Pendent	4.2	135, 165	165, 212
R2512+#	QR	Conc. Pendent	5.6	135	135, 155
R2518+#	QR	Conc. Pendent	5.6	135	135, 155
R5415#	QR	Conc. Pendent	5.6	135, 165	165, 212
RA3415#	QR	Conc. Pendent	5.6	135, 165	165, 212
RA3413#	QR	Conc. Pendent	4.2	135, 165	165, 212
R5418#	QR	Conc. Pendent	5.6	135, 165	165, 212
R6215#	QR	Conc. Pendent	5.6	165	165, 212
R6218#	QR	Conc. Pendent	5.6	165	165, 212
RA1414#	QR	Conc. Pendent	5.6	135, 165	135, 155, 165, 200
RA0212#	QR	Conc. Pendent	5.6	135	135, 155
R1314	QR	Flush Pendent	5.6	-	165
R4514	QR	Flush Pendent	5.6	-	165
R3133	QR	Rec. HSW	4.2	165	165, 212
R3635	QR	Rec. HSW	5.6	135, 165	135, 155, 175, 200
R3135	QR	Rec. HSW	5.6	165	165, 212
R3137	QR	Rec. HSW	8.0	165	165, 212
R3611	QR	Rec. Pendent	2.8	-	135, 155, 175, 200
R3111	QR	Rec. Pendent	2.8	-	165
R3613	QR	Rec. Pendent	4.2	-	135, 155, 175, 200
R3113	QR	Rec. Pendent	4.2	-	165
R3115	QR	Rec. Pendent	5.6	-	165
R3117	QR	Rec. Pendent	8.0	-	165
R3612	QR	Rec. Pendent	8.0	-	135, 155, 175, 200
R1511	SR	Conc. Pendent	2.8	135	135
R1512	SR	Conc. Pendent	2.8	135	135
R1511	SR	Conc. Pendent	2.8	165	165, 212
R1512	SR	Conc. Pendent	2.8	165	165, 212
R2111	SR	Conc. Pendent	2.8	135	135, 165
R2112	SR	Conc. Pendent	2.8	135	135, 165
R2111	SR	Conc. Pendent	2.8	165	165, 212
R2112	SR	Conc. Pendent	2.8	165	165, 212
R1513	SR	Conc. Pendent	4.2	135	135
R1513	SR	Conc. Pendent	4.2	165	165, 212
R2113	SR	Conc. Pendent	4.2	135	135, 165

R2211	SR	Conc. Pendent	2.8	135, 165	165, 212
R2212	SR	Conc. Pendent	2.8	135, 165	165, 212
R2113	SR	Conc. Pendent	4.2	165	165, 212
R2213	SR	Conc. Pendent	4.2	135	165
R1515	SR	Conc. Pendent	5.6	135	135
R1518	SR	Conc. Pendent	5.6	135	135
R1515	SR	Conc. Pendent	5.6	165	165, 212
R1518	SR	Conc. Pendent	5.6	165	165, 212
R2115#	SR	Conc. Pendent	5.6	135	135, 165
R2118	SR	Conc. Pendent	5.6	135	135, 165
R2115	SR	Conc. Pendent	5.6	165	165, 212
R2118	SR	Conc. Pendent	5.6	165	165, 212
R2215	SR	Conc. Pendent	5.6	135, 165	165, 212
R2218	SR	Conc. Pendent	5.6	135, 165	165, 212
R6115	SR	Conc. Pendent	5.6	135	135, 165
R6118	SR	Conc. Pendent	5.6	135	135, 165
R1233	SR	Rec. HSW	4.2	135	135
R1235	SR	Rec. HSW	5.6	135	135
R1711	SR	Rec. Pendent	2.8	—	135, 155, 175, 200
R1117	SR	Rec. Pendent	2.8	—	135, 165, 212
R1011	SR	Rec. Pendent	2.8	—	135, 165, 212
R1713	SR	Rec. Pendent	4.2	—	135, 155, 175, 200
R1013	SR	Rec. Pendent	4.2	—	135, 165, 212
R1113	SR	Rec. Pendent	4.2	—	135, 165, 212
R1013	SR	Rec. Pendent	4.2	—	135, 165, 212
R1715	SR	Rec. Pendent	5.6	—	135, 155, 175, 200
R1015	SR	Rec. Pendent	5.6	—	135, 165, 212
R1118	SR	Rec. Pendent	5.6	—	135, 165, 212
RA1314	SR	Rec. Pendent	5.6	—	135, 155, 175
R1712	SR	Rec. Pendent	8.0	—	135, 155, 175, 200
R1712	SR	Rec. Pendent	8.0	—	135, 155, 175, 200
R1017	SR	Rec. Pendent	8.0	—	135, 165, 212
R1016	SR	Rec. Pendent	8.0	—	135, 165, 212
RA3914*	QR	Rec. Pendent	5.6	—	165, 212
RA3914*#	QR	Conc. Pendent	5.6	135	165, 212

+The 5.6 K-Factor may utilize a 1 in. adjustable feature with 1 in. male or female threads.

*-Quick Responsive Fusible Link (Mini Link).

#- Concealed pendent type sprinklers may utilize a perforated style cover plate.

DRY SPRINKLERS

SIN	Response	Type	Max Length Ft	System Working Pressure, psig	Nom K-Factor	Temp Rating, °F
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R5314	SR	Pendent	48	175	5.6	135, 155, 175, 200, 286
R5314	SR	Rec. Pendent	48	175	5.6	135, 155, 175, 200, 286
R5314	SR	Concealed	48	175	5.6	135, 155, 175, 200, 286
R5714	QR	Pendent	48	175	5.6	135, 155, 175, 200, 286
R5714	QR	Rec. Pendent	48	175	5.6	135, 155, 175, 200, 286
R5714	QR	Concealed	48	175	5.6	135, 155, 175, 200, 286
R5334	SR	HSW	48	175	5.6	135, 155, 175, 200, 286
R5334	SR	Rec. HSW	48	175	5.6	135, 155, 175, 200, 286
R5734	QR	HSW	48	175	5.6	135, 155, 175, 200, 286
R5734	QR	Rec. HSW	48	175	5.6	135, 155, 175, 200, 286

STANDARD RESPONSE (SR) - EXTENDED COVERAGE SPRINKLERS - LIGHT HAZARD

SIN	Type	Max Width (A) Ft	Max Length (B) Ft	Min Flow GPM	Nom K-Factor	Distance Below Ceiling In.	Temp Rating, °F
R1265	HSW	16	18	30	5.6	6-12	135
R1265	HSW	16	20	38	5.6	6-12	135
R1267	HSW	16	24	39	8.0	6-12	135
R1762	HSW, Rec. HSW	16	24	39	8.0	4-6	135, 155
R1267	HSW, Rec. HSW	16	18	30	8.0	6-12	135
R1267	HSW, Rec. HSW	16	20	32	8.0	6-12	135
R1762	HSW, Rec. HSW	16	22	36	8.0	4-6	135
R1267	HSW, Rec. HSW	16	22	37	8.0	6-12	135
R1745	Pendent, Rec. Pendent	16	16	26	5.6	—	135, 155
R1745	Pendent, Rec. Pendent	18	18	33	5.6	—	135, 155
R1745	Pendent, Rec. Pendent	20	20	40	5.6	—	135, 155
RA2745	Pendent, Rec. Pendent	16	16	26	5.6	—	135, 155
RA2745	Pendent, Rec. Pendent	18	18	33	5.6	—	135, 155
RA2745	Pendent, Rec. Pendent	20	20	40	5.6	—	135, 155
R1742	Pendent, Rec. Pendent	16	16	26	8.0	—	135, 155
R1742	Pendent, Rec. Pendent	18	18	33	8.0	—	135, 155
R1742	Pendent, Rec. Pendent	20	20	40	8.0	—	135, 155
R5845	Rec. Pendent	16	16	26	5.6	—	155
R5845	Rec. Pendent	18	18	32	5.6	—	155
R5845	Rec. Pendent	20	20	40	5.6	—	135
RA2945	Rec. Pendent	16	16	26	5.6	—	155
RA2945	Rec. Pendent	18	18	32	5.6	—	155
RA2945	Rec. Pendent	20	20	40	5.6	—	135
R5842	Rec. Pendent	16	16	26	8.0	—	155
R5842	Rec. Pendent	18	18	32	8.0	—	155
R5842	Rec. Pendent	20	20	40	8.0	—	135

(A)-Dimension of wall on which sprinkler is installed.

(B)-Dimension perpendicular to wall on which sprinkler is installed.

QUICK RESPONSE (QR) - EXTENDED COVERAGE SPRINKLERS - LIGHT HAZARD

SIN	Type	Max Width (A) Ft	Max Width (B) Ft	Min Flow GPM	System Working Pressure, psig	Nom K-Factor	Distance Below Ceiling In.	Temp Rating °F	
								Cover	Sprinkler
R5945	Conc. Pendent	16	16	26	300	5.6	—	135	155
R5945	Conc. Pendent	18	18	33	300	5.6	—	135	155
R5945	Conc. Pendent	20	20	40	300	5.6	—	135	135
RA3045	Conc. Pendent	16	16	26	300	5.6	—	135	155
RA3045	Conc. Pendent	18	18	33	300	5.6	—	135	155
RA3045	Conc. Pendent	20	20	40	300	5.6	—	135	135
R4842	Conc. Pendent	16	16	26	175	8.0	—	135	155
R5942	Conc. Pendent	16	16	26	300	8.0	—	135	135
R4842	Conc. Pendent	18	18	32	175	8.0	—	135	155
R5942	Conc. Pendent	18	18	33	300	8.0	—	135	135
R4842	Conc. Pendent	20	20	40	175	8.0	—	135	155
R5942	Conc. Pendent	20	20	40	300	8.0	—	135	135
R4441	Conc. Pendent	16	16	30	175	11.2	—	135	165
R4441	Conc. Pendent	18	18	33	175	11.2	—	135	165
R4441	Conc. Pendent	20	20	40	175	11.2	—	135	165
R5962	Conc. HSW	16	18	29	300	8.0	4-12	135	155
R5962	Conc. HSW	16	22	37	300	8.0	4-12	135	135
R5962	Conc. HSW	18	18	33	300	8.0	4-12	135	135, 155
R5962	Conc. HSW	18	22	40	300	8.0	4-12	135	135
R5962	Conc. HSW	14	26	39	300	8.0	4-6	135	135
R5962	Conc. HSW	14	26	46	300	8.0	6-12	135	155
R5962	Conc. HSW	14	26	46	300	8.0	4-12	135	135
RA0362	Conc. HSW	28	14	40	250	8.0	4-12	135	155
RA1564	Rec HSW, Conc HSW	28	8	23	250	5.6	4-12	135, 165	155, 175, 200
RA1564	Rec HSW, Conc HSW	28	10	28	250	5.6	4-12	135, 165	155, 175, 200
RA1664	Dry Rec HSW, Conc HSW	28	8	23	250	5.6	4-12	135, 165	155, 175, 200
RA1664	Dry Rec HSW, Conc HSW	28	10	28	250	5.6	4-12	135, 165	155, 175, 200
R1364	Flush HSW	16	16	26	175	5.6	4-6	—	165
R1364	Flush HSW	16	16	27	175	5.6	6-12	—	165
R1344	Flush Pendent	16	16	26	175	5.6	—	—	165
R4865	HSW, Rec. HSW	16	16	26	175	5.6	4-12	—	135, 155, 175
R4865	HSW, Rec. HSW	16	18	29	175	5.6	4-12	—	135, 155, 175
R4865	HSW, Rec. HSW	16	20	32	175	5.6	4-12	—	135, 155, 175
RA2865	HSW, Rec. HSW	16	16	26	175	5.6	4-12	—	135, 155, 175
RA2865	HSW, Rec. HSW	16	18	29	175	5.6	4-12	—	135, 155, 175
RA2865	HSW, Rec. HSW	16	20	32	175	5.6	4-12	—	135, 155, 175
R4862	HSW, Rec. HSW	16	16	26	175	8.0	4-12	—	135, 155, 175
R4862	HSW, Rec. HSW	16	18	29	175	8.0	4-12	—	135, 155, 175

R4862	HSW, Rec. HSW	16	20	32	175	8.0	4-12	—	135, 155, 175
R4862	HSW, Rec. HSW	16	22	36	175	8.0	4-12	—	135, 155, 175
R4862	HSW, Rec. HSW	16	24	39	175	8.0	4-12	—	135, 155, 175
R4862	HSW, Rec. HSW	18	18	33	175	8.0	4-12	—	135, 155
R4862	HSW, Rec. HSW	18	22	40	175	8.0	4-12	—	135, 155
R4862	HSW, Rec. HSW	14	26	46	175	8.0	6-12	—	135, 155
R4862	HSW, Rec. HSW	14	26	39	175	8.0	4-12	—	135, 155
RA0362	HSW, Rec. HSW	28	14	40	250	8.0	4-12	135	155
R4845	Pendent, Rec. Pendent	16	16	26	175	5.6	—	—	135, 155
R4845	Pendent, Rec. Pendent	18	18	33	175	5.6	—	—	135, 155
R4845	Pendent, Rec. Pendent	20	20	40	175	5.6	—	—	135
RA2845	Pendent, Rec. Pendent	16	16	26	175	5.6	—	—	135, 155
RA2845	Pendent, Rec. Pendent	18	18	33	175	5.6	—	—	135, 155
RA2845	Pendent, Rec. Pendent	20	20	40	175	5.6	—	—	135
R4842	Pendent, Rec. Pendent	16	16	26	175	8.0	—	—	135, 155
R4842	Pendent, Rec. Pendent	18	18	33	175	8.0	—	—	135, 155
R4842	Pendent, Rec. Pendent	20	20	40	175	8.0	—	—	135
RA3045	Rec. Pendent	16	16	26	300	5.6	—	—	155
RA3045	Rec. Pendent	18	18	32	300	5.6	—	—	155
RA3045	Rec. Pendent	20	20	40	300	5.6	—	—	135
R5942	Rec. Pendent	16	16	26	300	8.0	—	—	155
R5942	Rec. Pendent	18	18	32	300	8.0	—	—	155
R5942	Rec. Pendent	20	20	40	300	8.0	—	—	135
R7216	Pendent, Rec. Pendent	16	16	30	175	11.2	—	—	165, 212
R7216	Pendent, Rec. Pendent	18	18	33	175	11.2	—	—	165, 212
R7216	Pendent, Rec. Pendent	20	20	40	175	11.2	—	—	165, 212
RA7216	Pendent, Rec. Pendent	16	16	30	175	11.2	—	—	155, 200
RA7216	Pendent, Rec. Pendent	18	18	33	175	11.2	—	—	155, 200
RA7216	Pendent, Rec. Pendent	20	20	40	175	11.2	—	—	155, 200
R7326	Upright	16	16	30	175	11.2	—	—	165
R7326	Upright	18	18	33	175	11.2	—	—	165
R7326	Upright	20	20	40	175	11.2	—	—	165
RA7326	Upright	16	16	30	175	11.2	—	—	155, 200
RA7326	Upright	18	18	33	175	11.2	—	—	155, 200
RA7326	Upright	20	20	40	175	11.2	—	—	155, 200

(A)-Dimension of wall on which sprinkler is installed.

(B)-Dimension perpendicular to wall on which sprinkler is installed.

STANDARD RESPONSE (SR) - EXTENDED COVERAGE SPRINKLERS - ORDINARY HAZARD

Sin	Type	Max Width x Length Ft x Ft	Ordinary Hazard Group	Min Sprinkler Flow Rate GPM	Nom K-Factor	Temp °F Rating
R6043	Pendent, Rec. Pendent	18x18	1	49	14.0	165, 212
R6043	Pendent, Rec. Pendent	18x18	2	65	14.0	165, 212
R6043	Pendent, Rec. Pendent	20x20	1	60	14.0	165, 212
R6043	Pendent, Rec. Pendent	20x20	2	80	14.0	165, 212
R6553	Upright	20x20	1	60	14.0	165, 212
R6553	Upright	20x20	2	80	14.0	165, 212
R7216	Pendent, Rec. Pendent	14 by 14	1	30	11.2	165, 212
R7216	Pendent, Rec. Pendent	16 by 16	1	39	11.2	165, 212
R7216	Pendent, Rec. Pendent	16 by 16	2	51	11.2	165, 212
R7216	Pendent, Rec. Pendent	18 by 18	1	49	11.2	165, 212
R7216	Pendent, Rec. Pendent	18 by 18	2	65	11.2	165, 212
R7216	Pendent, Rec. Pendent	20 by 20	1	60	11.2	165, 212
R7216	Pendent, Rec. Pendent	20 by 20	2	80	11.2	165, 212
RA7216	Pendent, Rec. Pendent	16 by 16	1	39	11.2	155, 200
RA7216	Pendent, Rec. Pendent	16 by 16	2	51	11.2	155, 200
RA7216	Pendent, Rec. Pendent	18 by 18	1	49	11.2	155, 200
RA7216	Pendent, Rec. Pendent	18 by 18	2	65	11.2	155, 200
RA7216	Pendent, Rec. Pendent	20 by 20	1	60	11.2	155, 200
RA7216	Pendent, Rec. Pendent	20 by 20	2	80	11.2	155, 200
R7326	Upright	14 by 14	1	30	11.2	165, 212
R7326	Upright	14 by 14	2	39	11.2	165, 212
R7326	Upright	16 by 16	1	39	11.2	165, 212
R7326	Upright	16 by 16	2	51	11.2	165, 212
R7326	Upright	18 by 18	1	49	11.2	165, 212
R7326	Upright	18 by 18	2	65	11.2	165, 212
R7326	Upright	20 by 20	1	60	11.2	165, 212
R7326	Upright	20 by 20	2	80	11.2	165, 212
RA7326	Upright	16 by 16	1	39	11.2	165, 212
RA7326	Upright	16 by 16	2	51	11.2	165, 212
RA7326	Upright	18 by 18	1	49	11.2	165, 212
RA7326	Upright	18 by 18	2	65	11.2	165, 212
RA7326	Upright	20 by 20	1	60	11.2	165, 212
RA7326	Upright	20 by 20	2	80	11.2	165, 212

QUICK RESPONSE (QR) - EXTENDED COVERAGE SPRINKLERS - ORDINARY HAZARD

Sin	Type	Max Width x Length Ft x Ft	Ordinary Hazard Group	Min Sprinkler Flow Rate GPM	Nom K-Factor	Temp °F Rating
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RA7216	Pendent, Rec. Pendent	14 by 14	1	30	11.2	155, 200
RA7216	Pendent, Rec. Pendent	14 by 14	2	39	11.2	155, 200
RA7326	Upright	14 by 14	1	30	11.2	155, 200
RA7326	Upright	14 by 14	2	39	11.2	155, 200

CORROSION RESISTANT SPRINKLERS

SIN	Type	Nom K-Factor	Coating Type	Temp Rating, °F
R1735	HSW	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3635	HSW	5.6	Polyester, Teflon	135, 155, 175, 200, 286
RA1564	HSW ECLH	5.6	Polyester	155, 175, 200
R1012	Pendent	1.9	Wax, Lead	135, 165, 212, 286
R1711	Pendent	2.8	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3611	Pendent	2.8	Polyester, Teflon	135, 155, 175, 200, 286
R1011	Pendent	2.8	Wax, Lead	135, 165, 212, 286
R1711	Pendent	2.8	Wax, Wax Over Lead, Lead	155, 175, 200
R1713	Pendent	4.2	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3613	Pendent	4.2	Polyester, Teflon	135, 155, 175, 200, 286
R1013	Pendent	4.2	Wax, Lead	135, 165, 212, 286
R1713	Pendent	4.2	Wax, Wax Over Lead, Lead	155, 175, 200
R1715	Pendent	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
RA1314	Pendent	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3615	Pendent	5.6	Polyester, Teflon	135, 155, 175, 200, 286
RA1414	Pendent	5.6	Polyester, Teflon	135, 155, 175, 200, 286
RA3614	Pendent	5.6	Polyester, HPET Nickel Plated	165, 212
R1015	Pendent	5.6	Wax, Lead	135, 165, 212, 286
R1715	Pendent	5.6	Wax, Wax Over Lead, Lead	155, 175, 200
RA1314	Pendent	5.6	Wax, Wax Over Lead, Lead	155, 175, 200
R1712	Pendent	8.0	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3612	Pendent	8.0	Polyester, Teflon	135, 155, 175, 200, 286
R1016	Pendent	8.0	Wax, Lead	135, 165, 212, 286
R1017	Pendent	8.0	Wax, Lead	135, 165, 212, 286
R1712	Pendent	8.0	Wax, Wax Over Lead, Lead	155, 175, 200
R4613	Pendent	14.0	Wax, Wax Over Lead, Lead	165, 212, 286
R1022	Upright	1.9	Wax, Lead	135, 165, 212, 286
R1721	Upright	2.8	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3621	Upright	2.8	Polyester, Teflon	135, 155, 175, 200, 286
R1021	Upright	2.8	Wax, Lead	135, 165, 212, 286
R1721	Upright	2.8	Wax, Wax Over Lead, Lead	155, 175, 200
R1723	Upright	4.2	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3623	Upright	4.2	Polyester, Teflon	135, 155, 175, 200, 286
R1023	Upright	4.2	Wax, Lead	135, 165, 212, 286

R1723	Upright	4.2	Wax, Wax Over Lead, Lead	155, 175, 200
R1725	Upright	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
RA1325	Upright	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3625	Upright	5.6	Polyester, Teflon	135, 155, 175, 200, 286
RA1425	Upright	5.6	Polyester, Teflon	135, 155, 175, 200, 286
R1025	Upright	5.6	Wax, Lead	135, 165, 212, 286
R1725	Upright	5.6	Wax, Wax Over Lead, Lead	155, 175, 200
RA1325	Upright	5.6	Wax, Wax Over Lead, Lead	155, 175, 200
R1722	Upright	8.0	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3622	Upright	8.0	Polyester, Teflon	135, 155, 175, 200, 286
R1026	Upright	8.0	Wax, Lead	135, 165, 212, 286
R1722	Upright	8.0	Wax, Wax Over Lead, Lead	155, 175, 200
R2921	Upright	11.2	Lead, Wax, Wax Over Lead	165, 212
R2921	Upright	11.2	Wax, Wax Over Lead, Lead	135, 165, 212, 286
R1785	VSW	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
RA1385	VSW	5.6	Polyester, Teflon	135, 155, 175, 200, 286, 360
R3685	VSW	5.6	Polyester, Teflon	135, 155, 175, 200, 286
RA1485	VSW	5.6	Polyester, Teflon	135, 155, 175, 200, 286
R5314	Dry-Pend	5.6	Wax, Wax Over Lead, Lead	155, 175, 200
R5334	Dry-HSW	5.6	Wax, Wax Over Lead, Lead	155, 175, 200
R5314	Dry-Pend	5.6	Polyester	135,155,175,200,286
R5334	Dry-HSW	5.6	Polyester	135,155,175,200,286
R5714	Dry-Pend	5.6	Polyester	135,155,175,200,286
R5734	Dry-HSW	5.6	Polyester	135,155,175,200,286
RA1664	Dry-HSW ECLH	5.6	Polyester	155, 175, 200
RA1124	Upright	16.8	HPET Nickel Plated	165, 212, 286

HIGH TEMPERATURE, WAX COATED SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	Max Ambient Temp, °F	Sprinkler Temp Rating, °F
R1012	SR	Pendent	1.9	150	286
R1011	SR	Pendent	2.8	150	286
R1511*	SR	Pendent	2.8	150	286
R1013	SR	Pendent	4.2	150	286
R1513*	SR	Pendent	4.2	150	286
R1015	SR	Pendent	5.6	150	286
R1515*	SR	Pendent	5.6	150	286
R1715	SR	Pendent	5.6	150	286
R1712	SR	Pendent	8.0	150	286
R1016	SR	Pendent	8.0	150	286
R4613*	SR	Pendent	14.0	150	286
R1022	SR	Upright	1.9	150	286

R1021	SR	Upright	2.8	150	286
R1023	SR	Upright	4.2	150	286
R1025	SR	Upright	5.6	150	286
R1725	SR	Upright	5.6	150	286
R1026	SR	Upright	8.0	150	286
R1722	SR	Upright	8.0	150	286
R2921*	SR	Upright	11.2	150	286
R5314	SR	Dry-Pendent	5.6	150	286
R5334	SR	Dry-HSW	5.6	150	286

*Coating may be wax or wax over lead.

INTERMEDIATE LEVEL SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	Temp Rating, °F
R3615	QR	Pendent	5.6	135, 155, 175, 200, 286
R3615++	QR	Pendent	5.6	135, 155, 175, 200, 286
R3115+	QR	Pendent	5.6	165, 212
RA1414	QR	Pendent	5.6	135, 155, 175, 200, 286
R3612	QR	Pendent	8.0	135, 155, 175, 200, 286
R3117+	QR	Pendent	8.0	165, 212
R7095	QR	Upright	5.6	135, 155, 175, 200, 286
R3195+	QR	Upright	5.6	165, 212
R7092	QR	Upright	8.0	135, 155, 175, 200, 286
R3197+	QR	Upright	8.0	165, 212
R1015*	SR	Pendent	5.6	135, 165, 212, 286
R1715++	SR	Pendent	5.6	135, 155, 175, 200, 286
R1314	SR	Pendent	5.6	135, 155, 175, 200, 286, 360
R1017*	SR	Pendent	8.0	135, 165, 212, 286
R1425*	SR	Upright	5.6	135, 165, 212, 286
R7025	SR	Upright	5.6	135, 155, 175, 200, 286
R1427*	SR	Upright	8.0	135, 165, 212, 286
R7022	SR	Upright	8.0	135, 155, 175, 200, 286

+May be used with Model C-3 guard/shield (upright) or Model C-4 guard/shield (pendent).

++May be used with Model C-5 guard/shield (pendent).

*May be used with Model C-3 guard/shield (upright) or Model C-5 guard/shield (pendent).

SPRINKLERS FOR STORAGE PROTECTION (DENSITY/AREA)

SIN	Response Type	Type	Nom K-Factor	Temp Rating, °F
R2921	SR	Upright	11.2	165, 212, 286
R4613	SR	Penent	14.0	165, 212, 286
RA1124	SR	Upright	16.8	165, 212, 286

EXTENDED COVERAGE SPRINKLERS FOR STORAGE PROTECTION (AREA/DENSITY)

SIN	Response Type	Max Width x Length Ft x Ft	Type	Nom K-Factor	Temp Rating, F
RA0842	SR	12 x 12	Pendent	25.2	165, 212
RA0842	SR	14 x 14	Pendent	25.2	165, 212

SPRINKLERS FOR STORAGE PROTECTION (CONTROL MODE SPECIFIC APPLICATION)

SIN	Response Type	Type	Nom K-Factor	Temp Rating, °F
R6932++	SR	HSW	14.0	165, 212

++The sprinkler is intended for use in metal buildings with a building height of 22 through 32 ft with a maximum slope of 2/12 in./in. and the deflector below the underside of the roof between 12 and 16 in. When acceptable to the Authority Having Jurisdiction and the manufacturers installation instructions are sprinkler may be installed in accordance with the Discharge Criteria for Miscellaneous Storage and Commodity Class I through IV, Group A plastic storage, Miscellaneous tire and rolled paper storage and idle pallet storage height 12 ft or less in height in accordance with NFPA 13, when a minimum storage to deflector clearance of 10 ft is maintained.

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