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SMART GUIDE

FOR ALL SPRINKLER APPLICATIONS



Our two new storage sprinklers, N252 EC, K-25.2 Pendant and J168, K-16.8 sprinklers, are now UL Listed and FM Approved. Bulletins 008 & 011.




DH56 & Dry DH56, K-5.6 EC, HSW Sprinklers for Light Hazard applications. Quick Response for 28' x 8' and 28' x 10' coverage. cULus Listed for 4" and 12" below ceiling. Bulletins 015 & 016.



JL112 & J112, K-11.2 Upright, Pendant & Recessed Pendant Sprinklers are Extended Coverage Sprinklers for Light and Ordinary Hazard occupancies for coverage areas from 144ft² to 400ft². Available with Link or 3mm Glass Bulb. Bulletins 173 & 172.



We've added two new residential sprinklers to our full product line - RFC49, K-4.9 and F1 RES 76, K-7.6. The RFC49 is a flat consoled sprinkler. Our new RES 76 sprinklers have the largest K factor on the market today. Bulletins 006, 135 & 176.



Our DDX Valve is now available in smaller sizes - 2", 2-1/2" and 3". An 8" version is coming soon. Our PrePaKs are now manufactured with our DDX Valves. They're 33% smaller in size than the competition. Bulletins 512, 510, 333, 367, 733 & 740.

Sprinkler Identification Numbers

Sample Sprinkler ID # - R3635

Manufacturer (RASCO) → R
Tech. Literature (Bulletin 136) → 3
Deflector Type (HSW) → 3
K Factor (5.62) → 5

Refer to this table for Deflectors or K Factors

Deflector Style	K Factor
1 Pendant	1 1.10, 2.82, 350, 400, 540, 11.4, 8.00, 22.40
2 Upright	2 198, 2.72, 390, 430, 550, 8.00, 1420, 25.20
3 Horizontal	3 181, 3.70, 424, 5.80, 1430
4 EC Pendant	4 257, 4.18, 560, 16.80
5 EC Upright	5 245, 4.28, 562
6 EC Horizontal	6 480, 7.58, 1121
7 Conventional	7 275, 4.18, 640, 8.20
8 Vertical	8 400, 5.53, 700, 7.60
9 Other	9 Reserve

MODEL	AVAILABLE STYLES SPRINKLER IDENTIFICATION NUMBER							MAX. SPACING	NOMINAL K FACTOR	THREAD	RESPONSE	APPROVALS	BULLETIN	WRENCH	
	UPR	PEND	PEND-REC	CONC	HSW	HSW-REC	VSW								
BASIC — STANDARD COVERAGE															
F150		RA1334	RA1334					*	5.6	3/4"	STD.	uLus, FM	0 13	D & GFR2	
F1FR-56		RA1414	RA1414					*	5.6	3/4"	QUICK	uLus, FM	0 14	D & GFR2	
F1FR	R382X	R385X			R3805		R3885	*1	LDHT HAZARD	2.8-8.0	3/4", 3/8"	QUICK	uLus, FM	136 D	
F1FR-300	R592X	R595X						*	5.6-8.0	3/4", 3/8"	QUICK	uLus	150 D		
GFR	R312X	R315X			R313X			*	2.8-8.0	3/4", 3/8"	QUICK	uLus	131 D		
SW56 (300 psi)					R834			*	5.6	3/4"	QUICK	uLus	168 D		
F1K-30	R552X	R555X						*	5.6-8.0	3/4", 3/8"	STD.	uLus	155 D		
F1	R172X	R175X			R1735		R1785	*1	LDHT HAZARD	2.8-8.0	3/4", 3/8"	STD.	uLus, FM	117 D	
G	R102X	R105X						*	2.8-8.0	3/4", 3/8"	STD.	uLus, FM	119 D		
G-VELO		R-613			R126X		R1285	*1	LDHT HAZARD	2.8-8.0	3/4", 3/8"	STD.	uLus, FM	112 D	
G-XLO	R821							*	11.2	3/4", 3/8"	STD.	uLus, FM	129 H		
DECORATIVE — STANDARD COVERAGE															
F150		RA1314	RA1314					*	5.6	3/4"	STD.	uLus, FM	0 13	D & GFR2	
F1FR-56		RA1414	RA1414					*	5.6	3/4"	QUICK	uLus, FM	0 14	D & GFR2	
F1FR-CCP		R361X	R361X		RA1614			*	5.6	3/4"	QUICK	uLus	177 GFR2		
F1FR-CCP		R361X	R361X		R3615			*	2.8-8.0	3/4", 3/8"	QUICK	uLus, FM	136 D & GFR2		
F1FR-CCP		R561X	R561X					*	5.6	3/4"	QUICK	uLus	143 GFR2		
F1FR-300 REC		R561X	R561X					*	5.6-8.0	3/4", 3/8"	QUICK	uLus	150 D & GFR2		
F1FR-300 CCP					R5615			*	5.6	3/4"	QUICK	uLus	164 GFR2		
F1FR-4NF					R402 X			*	5.6	3/4"	QUICK	uLus	002 G4		
F1FR					R251X			*	2.8-5.6	3/4", 1"	QUICK	uLus	125 G4		
G4A					R541X			*	2.8-5.6	3/4", 1"	QUICK	uLus	154 G4		
G4B-300					R6215			*	5.6	3/4"	QUICK	uLus	162 G4		
GFR	R311X	R311X						*	2.8-8.0	3/4", 3/8"	QUICK	uLus	131 D & GFR2		
SW56 (300 psi)					R684		R684	*	5.6	3/4"	QUICK	uLus	168 GFR2		
XL Conventional		R-614					R-634	*	5.6	3/4"	QUICK	uLus	145 ZK		
F1					R171X			*	2.8-8.0	3/4", 3/8"	STD.	uLus, FM	117 GFR2		
F1K-30					R551X			*	5.6-8.0	3/4", 3/8"	STD.	uLus	155 GFR2		
G REC					R111X			*	2.8-8.0	3/4", 1"	STD.	uLus, FM	111 RC1		
G F1					R101X			*	2.8-8.0	3/4", 3/8"	STD.	uLus	120 RC1		
G F HSW1							R 83X	*	4.2-5.6	3/4"	STD.	uLus	112 GFR2		
G4B					R815			*	5.6	3/4"	STD.	uLus	161 G4		
G4					R211X			*	2.8-5.6	3/4", 1"	STD.	uLus	121 G4		
G4Sealing					R211X			*	2.8-5.6	3/4", 1"	STD.	uLus	123 G4		
G4A					R541X			*	2.8-5.6	3/4", 1"	STD.	FM	154 G4		
G4FR					R221X			*	2.8-5.6	3/4", 1"	STD.	uLus, FM	122 G4		
G4FR Sealing					R221X			*	2.8-5.6	3/4", 1"	STD.	uLus	123 G4		
LIGHT HAZARD EXTENDED COVERAGE															
DH56					RA1894	RA1894	RA1894		28' x 10'	5.6	1"	QUICK	uLus	0 96	GFR2
DH56 Dry					RA1894	RA1894	RA1894		28' x 10'	5.6	1"	QUICK	uLus	0 96	XL02
JL112	R7218	R7218	R7218		RA1894	RA1894	RA1894		20' x 20'	11.2	3/4"	QUICK	uLus	173 & 172	J1 & R1
J112	RA7218	RA7218	RA7218						20' x 20'	11.2	3/4"	QUICK	uLus	173 & 172	J1 & R1
DH80					RA0382	RA0382	RA0382		28' x 14'	8.0	3/4"	QUICK	uLus	003	GFR2
F1FR-EC	R484X	R484X							20' x 20'	5.6-8.0	3/4", 3/8"	QUICK	uLus, FM	148 D & GFR2	
F1FR-EC HSW					R485	R485			16' x 20'	5.6	3/4"	QUICK	uLus, FM	148 D & GFR2	
F1FR-300 OREC		R594X	R594X		R4862	R4862			14' x 28'	8.0	3/4"	QUICK	uLus, FM	148 D & GFR2	
F1FR-300 OREC CCP		R594X	R594X						20' x 20'	5.6-8.0	3/4", 3/8"	QUICK	uLus	159 D	
F1FR-300 OREC-4					R594X	R594X			20' x 20'	5.6-8.0	3/4", 3/8"	QUICK	uLus	167 GFR2	
F1FR-300 OREC-4					R594X	R594X			16' x 24'	8.0	3/4"	QUICK	uLus	159 GFR2	
F1FR-OREC CCP		R484X							20' x 20'	5.6-8.0	3/4", 1"	QUICK	uLus	151 GFR2	
G4XLO OREC		R441							18' x 18'	11.2	3/4"	QUICK	uLus	144 XLOEC	
SWC (300 psi) HSW CONC		R174X	R174X		R582				14' x 28'	8.0	3/4"	QUICK	uLus	163 GFR2	
F1EC		R174X	R174X						16' x 24'	5.6-8.0	3/4", 3/8"	STD.	uLus, FM	117 D & GFR2	
F1K-30 SPEC		R564X	R564X						20' x 20'	5.6-8.0	3/4", 3/8"	STD.	uLus	158 D & GFR2	
G F1 EC4					R441		R187		16' x 24'	8.0	3/4"	STD.	uLus	142 GFR2	
G4XLO EC					R441				20' x 20'	11.2	3/4"	STD.	uLus	144 XLO EC	
EC4						R187			16' x 24'	5.6-8.0	3/4", 3/8"	STD.	uLus	112 D	
ORDINARY HAZARD EXTENDED COVERAGE															
JL112	R7218	R7218	R7218						20' x 20'	11.2	3/4"	STD.	uLus	173 & 172	J1 & R1
J112	RA7218	RA7218	RA7218						20' x 20'	11.2	3/4"	STD.	uLus	173 & 172	J1 & R1
MBEC-M HSW					R802				14' x 12.5'	14.0	3/4"	STD.	uLus	169 H	
GFR-VELO ECDH		R843	R843						20' x 20'	14.0	3/4"	STD.	uLus	160 H & XL02	
GFR-VELO ECDH		R853	R853						20' x 20'	14.0	3/4"	STD.	uLus	165 H	
EXTRA HAZARD EXTENDED COVERAGE															
NESEC		RA882	RA882						14' x 14'	25.2	1"	STD.	uLus, FM	008 N	
MBEC-M HSW		RA882	RA882				R882		14' x 12.5'	14.0	3/4"	STD.	uLus	169 H	
SUPPRESSION/ESFR															
HL32		RA1011							*	22.4	1"	FAST	uLus, FM	0 90	H1
HL14		RA0552							*	14.0	3/4"	FAST	uLus, FM	005 H	
K22 MAGNUM		R8611							*	22.4	1"	FAST	FM	166 H1	
HESEFR		R9012							*	14.0	3/4"	FAST	uLus, FM	150 H	
STORAGE															
NESEC		RA882	RA882						14' x 14'	25.2	1"	STD.	uLus, FM	008 H	
108	RA1184								20' x 20'	4.3	3/8"	STD.	uLus, FM	0 91	J1
F1FR-NT LEVEL	R709X	R361X							*	5.6-8.0	3/4", 3/8"	QUICK	uLus, FM	170 D & GFR2	
GFR-ANT LEVEL	R319X	R319X							*	5.6-8.0	3/4", 3/8"	QUICK	uLus	131 D	
G-XLO	R821								*	11.2	3/4", 3/8"	STD.	uLus, FM	129 H	
G-VELO		R-613							*	14.0	3/4"	STD.	uLus, FM	148 H	
F1ANT LEVEL	R702X	R175X							*	5.6-8.0	3/4", 3/8"	STD.	uLus, FM	170 D & GFR2	
GANT LEVEL	R142X	R142X							*	5.6-8.0	3/4", 3/8"	STD.	uLus, FM	114 D & RC1	
SPECIFIC APPLICATION															
NESEC		RA882	RA882						14' x 14'	25.2	1"	STD.	uLus, FM	008 N	
DRY TYPE															
DH56 Dry					RA1894	RA1894	RA1894		28' x 10'	5.6	1"	QUICK	uLus	0 96	XL02 & G3
F30R		R5714	R5714		R5724	R5724			*	5.6	1"	QUICK	uLus, FM	157 G3 RC	
F3		R5314	R5314		R5324	R5324			*	5.6	1"	STD.	uLus, FM	153 G3 RC	
INSTITUTIONAL															
XL		R1514			R1384				*	5.6	3/4"	QUICK	uLus	113 ZK	
XL EC		R1644			R1384				*	16' x 16'	5.6	3/4"	QUICK	uLus	113 ZK
RESIDENTIAL															
RFC49					R488 B										