Perimeter SOLUTIONS

Solutions That Save.

SOLBERG® HARDWARE

FIRE SPRINKLERS

SOLBERG

DESCRIPTION

SOLBERG® foam concentrates are certified with variety of fire sprinklers for use in foam-water sprinkler systems, these included closed, open or deluge head types. Consult appropriate certification equipment directory for additional details.

FEATURES

- **UL Listed and FM Approved with SOLBERG foam concentrates**
- **Upright or pendent mounted position**

Note: Converted metric values provided are for dimensional reference only and may not reflect actual measurements.

UL LISTED

SOLBERG RE-HEALING™ RF3					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	psi	bar	Certification Body
Reliable Automatic Sprinkler Co.	Upright	2.8	R1021	Hydrocarbons	0.16	6.52	29	2	UL
	Upright	5.6	R1025	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	R1015	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	RA1325	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	RA1314	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	RA1425	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	RA1414	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	8.0	R1027	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	R1017	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	R1722	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	R1712	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	R3622	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	R3612	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	RA6222	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	RA6212	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	11.2	R2921	Hydrocarbons	0.32	13.04	7	0.5	UL
Tyco Fire and Building Products	Upright	5.6	TY3131	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	TY3151	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	8.0	TY4131	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	TY4151	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	11.2	TY5111	Hydrocarbons	0.32	13.04	7	0.5	UL
	Upright	11.2	TY5131	Hydrocarbons	0.32	13.04	7	0.5	UL
	Upright	11.2	TY5151	Hydrocarbons	0.32	13.04	7	0.5	UL

UL LISTED CONTINUED

SOLBERG RE-HEALING™ RF3					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	**Position**	**K-Factor**	**Model**	**Fuel Type**	**gpm/ft²**	**lpm/m²**	**psi**	**bar**	**Certification Body**
Tyco Fire and Building Products	Pendent	5.6	TY3231	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	TY3251	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	8.0	TY4231	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	TY4251	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	11.2	TY5211	Hydrocarbons	0.32	13.04	7	0.5	UL
	Pendent	11.2	TY5231	Hydrocarbons	0.32	13.04	7	0.5	UL
	Pendent	11.2	TY5251	Hydrocarbons	0.32	13.04	7	0.5	UL
Victaulic Co.	Pendent	5.6	V3614	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	8.0	V3701	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	GL8164	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	V3615	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	V3616	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	11.2	GL1167	Hydrocarbons	0.32	13.04	7	0.5	UL
	Pendent	11.2	V3408	Hydrocarbons	0.32	13.04	7	0.5	UL
Viking	Upright	5.6	VK100	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	VK108	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	VK300	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	VK301	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	VK315	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	VK316	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	8.0	VK200	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK204	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK350	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK351	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	11.2	VK536	Hydrocarbons	0.32	13.04	7	0.5	UL
	Pendent	11.2	VK377	Hydrocarbons	0.32	13.04	7	0.5	UL
Foam Water Sprinkler Heads	**Position**	**K-Factor**	**Model**	**Fuel Type**	**gpm/ft²**	**lpm/m²**	**psi**	**bar**	**Certification Body**
Tyco Fire and Building Products	Upright	3.0	B-1	Hydrocarbons	0.16	6.52	30	0.5	UL
	Pendent	3.0	B-1	Hydrocarbons	0.16	6.52	30	0.5	UL

Fixed Foam Discharge Nozzles	Model	Fuel Type	Discharge Angle, Deg	Discharge Coefficient, K	Min Design Application Density, gpm/sq ft	Inlet Pressure, psig
Victaulic Co.	V2601, 1/2"	Hydrocarbons	180	2.8	0.16	32.7
	V2603, 1/2"	Hydrocarbons	180	5.6	0.16	8.2

UL LISTED CONTINUED

Fixed Foam Discharge Nozzles Deck Integrated	Model	Fuel Type	Discharge Angle, Deg	Discharge Coefficient	Nozzle Spacing, ft.	Inlet Pressure, psig
Marsol Technologies Inc.	K3GS-65	Hydrocarbons	360	4.7	26.2	58.0
	K3GS-75	Hydrocarbons	360	5.4	26.2	58.0
	K3GS-105	Hydrocarbons	360	7.2	26.2	58.0
	ULP-40-55	Hydrocarbons	360	3.8	26.2	85.0
	ULP-40-60	Hydrocarbons	360	4.2	26.2	67.6
	ULP-40-67	Hydrocarbons	360	4.7	26.2	58.0
	ULP-40-70	Hydrocarbons	360	4.9	26.2	58.0
	ULP-40-80	Hydrocarbons	360	5.6	26.2	58.0
	ULP-40-93	Hydrocarbons	360	6.5	26.2	58.0
	ULP-40-105	Hydrocarbons	360	7.3	26.2	58.0
	ULP-40-118	Hydrocarbons	360	8.2	26.2	58.0

SOLBERG RE-HEALING 3x3 SP-100					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	psi	bar	Certification Body
Reliable Automatic Sprinkler Co.	Upright	5.6	RA1325	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	RA1325	Alcohols	0.29	11.82	24	1.6	UL
	Upright	5.6	RA1325	Ethanol	0.19	7.74	10	0.7	UL
	Pendent	5.6	RA1314	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	RA1314	Alcohols	0.32	13.04	29	2.0	UL
	Pendent	5.6	RA1314	Ethanol	0.21	8.56	12	0.9	UL
	Pendent	5.6	RA1414	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	RA1414	Alcohols	0.32	13.04	29	2.0	UL
	Pendent	5.6	RA1414	Ethanol	0.21	8.56	12	0.9	UL
	Upright	5.6	RA1425	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	RA1425	Alcohols	0.29	11.82	24	1.6	UL
	Upright	5.6	RA1425	Ethanol	0.19	7.74	11	0.7	UL
	Upright	8.0	R1027	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	R1027	Alcohols	0.40	16.30	22	1.5	UL
	Upright	8.0	R1027	Ketones	0.26	10.60	10	0.7	UL
	Pendent	8.0	R1017	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	R1017	Alcohols	0.40	16.30	22	1.5	UL
	Pendent	8.0	R1017	Ketones	0.26	10.60	10	0.7	UL
	Upright	8.0	RA6222	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	RA6222	Alcohols	0.37	15.08	19	1.3	UL
	Upright	8.0	RA6222	Ethanol	0.30	12.22	12	0.9	UL
	Pendent	8.0	RA6212	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	RA6212	Alcohols	0.37	15.08	19	1.3	UL
	Pendent	8.0	RA6212	Ethanol	0.25	10.18	12	0.9	UL
	Upright	8.0	RA6322	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	RA6322	Alcohols	0.37	15.08	19	1.3	UL

UL LISTED CONTINUED

SOLBERG RE-HEALING 3x3 SP-100					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	psi	bar	Certification Body
	Upright	8.0	RA6322	Ethanol	0.30	12.22	12	0.9	UL
	Pendent	8.0	RA6312	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	RA6312	Alcohols	0.37	15.08	19	1.3	UL
	Pendent	8.0	RA6312	Ethanol	0.25	10.18	12	0.9	UL
	Upright	8.0	R3127	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	R3127	Alcohols	0.40	16.30	22	1.5	UL
	Upright	8.0	R3127	Ketones	0.26	10.60	10	0.7	UL
	Pendent	8.0	R3117	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	R3117	Alcohols	0.40	16.30	22	1.5	UL
	Pendent	8.0	R3117	Ketones	0.26	10.60	10	0.7	UL
Victaulic Co.	Pendent	8.0	V3701	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	V3701	Ketones	0.25	10.18	8.6	0.6	UL
	Pendent	8.0	V3701	Alcohols	0.36	14.65	17.8	1.23	UL
	Upright	8.0	GL8164	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	GL8164	Ketones	0.26	10.59	9.4	0.65	UL
	Upright	8.0	GL8164	Alcohols	0.36	14.67	17.8	1.23	UL
	Pendent	8.0	V3616	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	V3616	Ketones	0.26	10.59	9.4	0.65	UL
	Pendent	8.0	V3616	Alcohols	0.35	14.26	16.8	1.16	UL
	Pendent	8.0	V3615	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	V3615	Ketones	0.26	10.59	9.4	0.65	UL
	Pendent	8.0	V3615	Alcohols	0.35	14.26	16.8	1.16	UL
	Pendent	11.2	V3408	Hydrocarbons	0.32	13.04	7	0.5	UL
	Pendent	11.2	V3408	Ketones	0.33	13.4	7.7	0.53	UL
	Pendent	11.2	V3408	Alcohols	0.46	18.7	14.9	1.03	UL
Viking	Upright	8.0	VK200	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK200	Ketones	0.27	10.99	10.3	0.7	UL
	Upright	8.0	VK200	Alcohols	0.37	15.08	19.1	1.3	UL
	Upright	8.0	VK204	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK204	Ketones	0.27	10.99	10.3	0.7	UL
	Upright	8.0	VK204	Alcohols	0.37	15.08	19.1	1.3	UL
	Upright	8.0	VK350	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK350	Ketones	0.27	10.99	10.3	0.7	UL
	Upright	8.0	VK350	Alcohols	0.37	15.08	19.1	1.3	UL
	Upright	8.0	VK351	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	VK351	Ketones	0.27	10.99	10.3	0.7	UL
	Upright	8.0	VK351	Alcohols	0.37	15.08	19.1	1.3	UL
	Pendent	11.2	VK536	Hydrocarbons	0.32	13.04	7.0	0.5	UL
	Pendent	11.2	VK536	Ketones	0.33	13.43	7.7	0.53	UL
	Pendent	11.2	VK536	Alcohols	0.48	19.54	16.1	1.11	UL
	Pendent	11.2	VK536	Ethanol	0.40	16.30	11.1	0.77	UL
	Pendent	11.2	VK377	Hydrocarbons	0.32	13.04	7.0	0.5	UL
	Pendent	11.2	VK377	Ketones	0.33	13.43	7.7	0.53	UL
	Pendent	11.2	VK377	Alcohols	0.48	19.54	16.1	1.11	UL
	Pendent	11.2	VK377	Ethanol	0.40	16.30	11.1	0.77	UL

UL LISTED CONTINUED

SOLBERG RE-HEALING 3x3 SP-100					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	**Position**	**K-Factor**	**Model**	**Fuel Type**	**gpm/ft²**	**lpm/m²**	**psi**	**bar**	**Certification Body**
Tyco Fire and Building Products	Pendent	5.6	TY3231	Hydrocarbons	0.16	6.52	7.0	0.5	UL
	Pendent	5.6	TY3231	Ketones	0.25	10.18	18	1.24	UL
	Pendent	5.6	TY3231	Alcohols	0.31	12.62	27.8	1.9	UL
	Pendent	5.6	TY3251	Hydrocarbons	0.16	6.52	7.0	0.5	UL
	Pendent	5.6	TY3251	Ketones	0.25	10.18	18	1.24	UL
	Pendent	5.6	TY3251	Alcohols	0.31	12.62	27.8	1.9	UL
	Pendent	8.0	TY4231	Hydrocarbons	0.22	8.96	7.0	0.5	UL
	Pendent	8.0	TY4231	Ketones	0.27	10.99	10.3	0.7	UL
	Pendent	8.0	TY4231	Alcohols	0.39	15.8	21.1	1.45	UL
	Pendent	8.0	TY4251	Hydrocarbons	0.22	8.96	7.0	0.5	UL
	Pendent	8.0	TY4251	Ketones	0.27	10.99	10.3	0.7	UL
	Pendent	8.0	TY4251	Alcohols	0.39	15.8	21.1	1.45	UL
	Pendent	11.2	TY5211	Hydrocarbons	0.32	13.04	7.0	0.5	UL
	Pendent	11.2	TY5211	Ketones	0.34	13.8	8.2	0.57	UL
	Pendent	11.2	TY5211	Alcohols	0.46	18.7	15.1	1.04	UL
	Pendent	11.2	TY5231	Hydrocarbons	0.32	13.04	7.0	0.5	UL
	Pendent	11.2	TY5231	Ketones	0.34	13.8	8.2	0.57	UL
	Pendent	11.2	TY5231	Alcohols	0.46	18.7	15.1	1.04	UL
	Pendent	11.2	TY5251	Hydrocarbons	0.32	13.04	7.0	0.5	UL
	Pendent	11.2	TY5251	Ketones	0.34	13.8	8.2	0.57	UL
	Pendent	11.2	TY5251	Alcohols	0.46	18.7	15.1	1.04	UL
Foam Water Sprinkler Heads	**Position**	**K-Factor**	**Model**	**Fuel Type**	**gpm/ft²**	**lpm/m²**	**psi**	**bar**	**Certification Body**
Tyco Fire and Building Products	Upright	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Upright	3.0	B-1	Alcohols	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Alcohols	0.16	6.52	30	2.1	UL
	Upright	3.0	B-1	Ketones	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Ketones	0.16	6.52	30	2.1	UL
HD Fire Protect Limted	Upright	3.0	H1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Pendent	3.0	F 1 & H	Hydrocarbons	0.16	6.52	30	2.1	UL
	Upright	3.0	H1	Ethyl Alcohols	0.16	6.52	30	2.1	UL
	Pendent	3.0	F 1 & H	Ethyl Alcohols	0.16	6.52	30	2.1	UL
	Upright	3.0	H1	Ketones	0.16	6.52	30	2.1	UL
	Pendent	3.0	F 1 & H	Ketones	0.16	6.52	30	2.1	UL
	Pendent	3.0	F 1 & H	Alcohols	0.16	6.52	30	2.1	UL

UL LISTED CONTINUED

Fixed Foam Discharge Nozzles	Model	Fuel Type	Discharge Angle, Deg	Discharge Coefficient, K	Min Design Application Density, gpm/sq ft	Inlet Pressure, psig
Victaulic Co.	V2601, 3/8"	Hydrocarbons	180	2.8	0.16	32.7
	V2601, 3/8"	Alcohol	180	2.8	0.16	32.7
	V2601, 3/8"	Ketones	180	2.8	0.16	32.7
	V2603, 1/2"	Hydrocarbons	180	5.6	0.16	8.2
	V2603, 1/2"	Alcohol	180	5.6	0.17	9.2
	V2603, 1/2"	Ketones	180	5.6	0.16	8.2
	V2603, 1/2"	Denatured Ethanol	180	5.6	0.16	8.2

SOLBERG EVOLUTION 1% SFFF					Minimum Application Rate		Minimum Inlet Pressure		
Foam Water Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	psi	bar	Certification Body
Tyco Fire and Building Products	Upright	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
HD Fire Protect Limted	Pendent	3.0	F1	Hydrocarbons	0.16	6.52	30	2.1	UL

SOLBERG EVOLUTION 3% SFFF					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	psi	bar	Certification Body
Reliable Automatic Sprinkler Co.	Upright	2.8	R1021	Hydrocarbons	0.16	6.52	29	2.0	UL
	Pendent	2.8	R1011	Hydrocarbons	0.16	6.52	29	2.0	UL
Foam Water Sprinkler Heads	**Position**	**K-Factor**	**Model**	**Fuel Type**	**gpm/ft²**	**lpm/m²**	**psi**	**bar**	**Certification Body**
Tyco Fire and Building Products	Upright	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL

Fixed Foam Discharge Nozzles	Model	Fuel Type	Discharge Angle, Deg	Discharge Coefficient, K	Min Design Application Density, gpm/sq ft	Inlet Pressure, psig
Victaulic Co.	V2603, 1/2"	Hydrocarbons	180	5.6	0.16	8.2

FM APPROVED

SOLBERG RE-HEALING RF3					Minimum Application Rate		Minimum Height		Maximum Height		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	ft	m	ft	m	Certification Body
Reliable Automatic Sprinkler Co.	Upright	5.6	RA1325	Hydrocarbons	0.2	8.15	6.00	1.83	49.00	14.94	FM
	Pendent	5.6	RA1314	Hydrocarbons	0.2	8.15	6.00	1.83	49.00	14.94	FM
	Upright	8.0	R1027	Hydrocarbons	0.3	12.22	6.67	2.03	49.00	14.94	FM
	Pendent	8.0	R1017	Hydrocarbons	0.3	12.22	6.00	1.83	48.00	14.63	FM
	Upright	8.0	R1722	Hydrocarbons	0.3	12.22	6.67	2.03	12.33	3.76	FM
	Pendent	8.0	R1712	Hydrocarbons	0.3	12.22	6.00	1.83	12.25	3.73	FM
	Upright	11.2	R2921	Hydrocarbons	0.3	12.22	6.00	1.83	49.00	14.94	FM
	Pendent	11.2	R2916	Hydrocarbons	0.3	12.22	5.08	1.55	48.00	14.63	FM
	Upright	11.2	R3226	Hydrocarbons	0.3	12.22	6.00	1.83	49.00	14.94	FM
	Pendent	11.2	R3216	Hydrocarbons	0.3	12.22	5.08	1.55	48.00	14.63	FM
Tyco Fire and Building Products	Pendent	8.0	TY4251	Heptane	0.3	12.22	5.01	1.5	13.2	4.00	FM

SOLBERG RE-HEALING 3x3 SP-100					Minimum Application Rate		Minimum Height		Maximum Height		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	ft	m	ft	m	Certification Body
Reliable Automatic Sprinkler Co.	Upright	5.6	R1025	Hydrocarbons	0.2	8.15	6.17	2.06	29.67	9.04	FM
	Upright	5.6	R1025	Alcohol	0.3	12.22	6.17	2.06	29.67	9.04	FM
	Pendent	5.6	R1015	Hydrocarbons	0.2	8.15	5.90	1.80	29.00	8.84	FM
	Pendent	5.6	R1015	Alcohol	0.3	12.22	5.90	1.80	29.00	8.84	FM
	Upright	8.0	R1027	Hydrocarbons	0.3	12.22	5.90	1.80	29.67	9.04	FM
	Upright	8.0	R1027	Alcohol	0.4	16.30	5.90	1.80	29.67	9.04	FM
	Pendent	8.0	R1017	Hydrocarbons	0.3	12.22	5.90	1.80	29.00	8.84	FM
	Pendent	8.0	R1017	Alcohol	0.4	16.30	5.90	1.80	29.00	8.84	FM
	Pendent	11.2	R2916	Hydrocarbons	0.3	12.22	5.90	1.80	29.00	8.84	FM
	Pendent	11.2	R2916	Alcohol	0.4	16.30	5.90	1.80	29.00	8.84	FM
	Upright	11.2	R2921	Hydrocarbons	0.3	12.22	11.08	3.38	27.42	8.36	FM
	Upright	11.2	R2921	Alcohol	0.4	16.30	11.08	3.38	27.42	8.36	FM

SOLBERG EVOLUTION 3% SFFF					Minimum Application Rate		Minimum Height		Maximum Height		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	ft	m	ft	m	Certification Body
Reliable Automatic Sprinkler Co.	Upright	5.6	R1025	Hydrocarbons	0.2	8.15	6.75	2.06	49.67	15.14	FM
	Pendent	5.6	R1015	Hydrocarbons	0.2	8.15	6.75	2.06	48.917	14.91	FM
	Upright	8.0	R1027	Hydrocarbons	0.3	12.22	6.75	2.06	49.67	15.14	FM
	Pendent	8.0	R1017	Hydrocarbons	0.3	12.22	6.75	2.06	48.917	14.91	FM
	Upright	11.2	R2921 & R3226	Hydrocarbons	0.3	12.22	12.83	3.91	49.67	15.14	FM
	Pendant	11.2	R2916 & R3216	Hydrocarbons	0.3	12.22	6.75	2.06	48.917	14.91	FM

FM APPROVED

SOLBERG ARCTIC 3x3					Minimum Application Rate		Minimum Height		Maximum Height		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft²	lpm/m²	ft	m	ft	m	Certification Body
Reliable Automatic Sprinkler Co.	Upright	5.6	R1325	Hydrocarbons	0.3	12.22	6.00	1.83	49.50	15.09	FM
	Upright	5.6	R1325	Alcohol	0.3	12.22	6.25	1.91	49.50	15.09	FM
	Pendent	5.6	RA1314	Hydrocarbons	0.3	12.22	6.00	1.83	48.67	14.83	FM
	Pendent	5.6	RA1314	Alcohol	0.3	12.22	6.92	2.11	48.67	14.83	FM
	Upright	5.6	R1425	Hydrocarbons	0.3	12.22	6.00	1.83	49.50	15.09	FM
	Upright	5.6	R1425	Alcohol	0.3	12.22	6.25	1.91	49.50	15.09	FM
Reliable Automatic Sprinkler Co.	Pendent	5.6	R1414	Hydrocarbons	0.3	12.22	6.00	1.83	48.67	14.83	FM
	Pendent	5.6	R1414	Alcohol	0.3	12.22	6.92	2.11	48.67	14.83	FM
	Upright	8.0	R1722	Hydrocarbons	0.3	12.22	6.00	1.83	12.50	3.81	FM
	Upright	8.0	R1722	Alcohol	0.3	12.22	7.50	2.29	13.50	4.11	FM
	Pendent	8.0	R1712	Hydrocarbons	0.3	12.22	6.00	1.83	13.50	4.11	FM
	Pendent	8.0	R1712	Alcohol	0.3	12.22	6.92	2.11	13.50	4.11	FM
	Upright	8.0	R1027	Hydrocarbons	0.3	12.22	6.00	1.83	49.50	15.09	FM
	Upright	8.0	R1027	Alcohol	0.3	12.22	7.50	2.29	37.00	11.28	FM
	Pendent	8.0	R1017	Hydrocarbons	0.3	12.22	6.00	1.83	48.67	14.83	FM
	Pendent	8.0	R1017	Alcohol	0.3	12.22	6.92	2.11	36.00	10.97	FM
	Upright	11.2	R2921	Hydrocarbons	0.3	12.22	6.00	1.83	49.50	15.09	FM
	Upright	11.2	R2921	Alcohol	0.4	16.30	8.75	2.67	49.00	14.94	FM
	Pendent	11.2	R2916	Hydrocarbons	0.3	12.22	8.17	2.49	48.67	14.83	FM
	Pendent	11.2	R2916	Alcohol	0.4	16.30	7.75	2.36	48.00	14.63	FM
	Upright	11.2	R3226	Hydrocarbons	0.3	12.22	6.00	1.83	49.50	15.09	FM
	Upright	11.2	R3226	Alcohol	0.4	16.30	8.75	2.67	49.00	14.94	FM
	Pendent	11.2	R3216	Hydrocarbons	0.3	12.22	8.17	2.49	48.67	14.83	FM
	Pendent	11.2	R3216	Alcohol	0.4	16.30	7.75	2.36	48.00	14.63	FM

For sprinkler listings with AFFF's and AR-AFFF's, please contact technical services for more information, visit: www.perimeter-solutions.com

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