

SOLBERG® HARDWARE

FIRE SPRINKLERS



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/ft ² | lpm/m ² | 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 | | Certification Body |
|-------------------------------------|-------------|--------------|----------------------|--------------------------|---|--------------------|------------------------|-----|--------------------|
| Standard Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | psi | bar | |
| 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 | | | | | | | | | |
| Standard Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | 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 | | | | | | | | | |
| Standard Sprinkler Heads | 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/ft ² | lpm/m ² | 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 | 11 | 0.8 | 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 | 13 | 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 | 0.8 | 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 | 13 | 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 | 13 | 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/ft ² | lpm/m ² | 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/ft ² | lpm/m ² | 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/ft ² | lpm/m ² | 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 |

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 | | | | | Minimum Application Rate | | Minimum Inlet Pressure | | |
|----------------------------------|----------|----------|-------|--------------|--------------------------|--------------------|------------------------|-----|--------------------|
| Standard Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | psi | bar | Certification Body |
| Reliable Automatic Sprinkler Co. | Upright | 2.8 | R1021 | Hydrocarbons | 0.16 | 6.52 | 7 | 0.5 | UL |
| | Pendent | 2.8 | R1711 | Hydrocarbons | 0.16 | 6.52 | 7 | 0.5 | UL |
| Foam Water Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | psi | bar | Certification Body |
| Tyco Fire and Building Products | Upright | 3.0 | B-1 | Hydrocarbons | 0.16 | 6.52 | 7 | 0.5 | UL |
| | Pendent | 3.0 | B-1 | Hydrocarbons | 0.16 | 6.52 | 7 | 0.5 | UL |

FM APPROVED

| SOLBERG RE-HEALING RF3 | | | | | Minimum Application Rate | | Minimum Height | | Maximum Height | | Certification Body |
|----------------------------------|----------|----------|--------|--------------|--------------------------|--------------------|----------------|------|----------------|-------|--------------------|
| Standard Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | ft | m | ft | m | |
| 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 | | Certification Body |
|----------------------------------|----------|----------|-------|--------------|--------------------------|--------------------|----------------|------|----------------|------|--------------------|
| Standard Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | ft | m | ft | m | |
| 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 | | | | | Minimum Application Rate | | Minimum Height | | Maximum Height | | Certification Body |
|----------------------------------|----------|----------|---------------|--------------|--------------------------|--------------------|----------------|------|----------------|-------|--------------------|
| Standard Sprinkler Heads | Position | K-Factor | Model | Fuel Type | gpm/ft ² | lpm/m ² | ft | m | ft | m | |
| 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 |

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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