



Circle Systems, Inc.

PRODUCT SELECTION CHART

Wet Method Particles

| Product | Media | Color | Particle Size | AMS Standard* | SAE Sensitivity† | Technical Bulletin | Recommended Temperature Range |
|----------------|-------|--------------------------|---------------|---------------|------------------|--------------------|-------------------------------|
| Mi-Glow® 800 | Oil | Fluorescent Yellow-Green | 3 µm | 3044 | 7 | 240 | 32-120°F/0-49°C |
| Mi-Glow® 810 | Water | Fluorescent Yellow-Green | 3 µm | 3044 | 7 | 241 | 32-120°F/0-49°C |
| Mi-Glow® 834 | Water | Fluorescent Yellow-Green | 3 µm | 3044 | 7 | 204 | 32-120°F/0-49°C |
| Mi-Glow® 778 | Water | Fluorescent Yellow-Green | 3 µm | 3044 | 7 | 267 | 32-120°F/0-49°C |
| Mi-Glow® 218X | Water | Fluorescent Yellow-Green | 9 µm | 3044 | 7 | 192 | 32-120°F/0-49°C |
| Mi-Glow® 318 | Water | Fluorescent Yellow-Green | 7.5 µm | 3044 | 7 | 206 | 32-300°F/0-149°C‡ |
| Mi-Glow® 418 | Water | Fluorescent Yellow-Green | 7.5 µm | 3044 | 7 | 284 | 32-300°F/0-149°C‡ |
| Mi-Glow® 920 | Oil | Fluorescent Yellow-Green | 12 µm | 3044 | 7 | 213 | 32-120°F/0-49°C |
| Mi-Glow® 106 | Oil | Nonfluorescent Black | 1.5 µm | 3042 | 6 | 183 | 32-120°F/0-49°C |
| Mi-Glow® 820 | Water | Nonfluorescent Black | 1.5 µm | 3042 | 6 | 265 | 32-120°F/0-49°C |
| Mi-Glow® 600/B | Oil | Red | 10 µm | N/A | N/A | 274 | 32-120°F/0-49°C |
| Mi-Glow® 634 | Water | Red | 10 µm | N/A | N/A | 283 | 32-120°F/0-49°C |
| Mi-Glow® 850 | Water | Red | 10 µm | N/A | N/A | 273 | 32-120°F/0-49°C |
| CircleSol M™ | Oil | Clear | N/A | 2641 | N/A | 312 | 32-120°F/0-49°C |
| Mi-Glow® 800L | Oil | Fluorescent Yellow-Green | 3 µm | 3045 | 7 | 272 | 32-120°F/0-49°C |

Aerosols

| Product | Media | Color | Particle Size | AMS Standard* | SAE Sensitivity† | Technical Bulletin | Temperature Limit |
|-------------------|-------|--------------------------|---------------|---------------|------------------|--------------------|-------------------|
| CircleSafe® 800A | Oil | Fluorescent Yellow-Green | 5 µm | 3045, 3046 | 7 | 271A | 120°F Maximum |
| CircleSafe® 778A | Water | Fluorescent Yellow-Green | 5 µm | 3044 | 7 | 268 | 120°F Maximum |
| CircleSafe® 820A | Water | Nonfluorescent Black | 1.5 µm | 3042 | 6 | 269 | 120°F Maximum |
| CircleSafe® 820AX | Oil | Nonfluorescent Black | 1.5 µm | 3042 | 6 | 269X | 120°F Maximum |
| CircleSafe® 850A | Water | Red | 10 µm | N/A | N/A | 270 | 120°F Maximum |

* Aerospace Material Specification Documents, as called out by ASTM E-709, ASTM E-1444, ASME Boiler/Pressure Vessel Code, and others.

† Representative of the number of lines shown on a tool steel ring as defined in SAE AS5282.

‡ Refer to special instructions in the respective product Technical Bulletin when using in temperatures above 120° F.

Revised: 9/8/2016



Circle Systems, Inc.

PRODUCT SELECTION CHART

Ready-to-Use Sprays

| Product | Media | Color | Particle Size | AMS Standard* | SAE Sensitivity** | Technical Bulletin | Recommended Temperature Range |
|--------------------|-------|--------------------------|---------------|---------------|-------------------|--------------------|-------------------------------|
| Mi-Glow® 800LS-RTU | Oil | Fluorescent Yellow-Green | 3 µm | 3045 | 7 | 277 | 32-120°F/0-49°C |
| Mi-Glow® 778S-RTU | Water | Fluorescent Yellow-Green | 3 µm | 3044 | 7 | 276 | 32-120°F/0-49°C |
| Mi-Glow® 820LS-RTU | Oil | Nonfluorescent Black | 1.5 µm | 3042 | 6 | 278 | 32-120°F/0-49°C |
| Mi-Glow® 820S-RTU | Water | Nonfluorescent Black | 1.5 µm | 3042 | 6 | 279 | 32-120°F/0-49°C |
| Mi-Glow® 600LS-RTU | Oil | Red | 10 µm | N/A | N/A | 275 | 32-120°F/0-49°C |
| Mi-Glow® 850S-RTU | Water | Red | 10 µm | N/A | N/A | 280 | 32-120°F/0-49°C |

Dry Method Particles

| Product | Color | Particle Size | AMS Standard* | SAE Sensitivity** | Technical Bulletin | Temperature Limit |
|-------------------------|---|---------------|---------------|-------------------|--------------------|-------------------|
| Sir-Chem® Dry Powder 61 | Nonfluorescent Gray | 75 µm | 3040 | 8 | 161 | 800°F/427°C |
| Sir-Chem® Dry Powder 63 | Nonfluorescent Red | 75 µm | 3040 | 8 | 163 | 600°F/315°C |
| Sir-Chem® Dry Powder 66 | Nonfluorescent Yellow | 75 µm | 3040 | 8 | 166 | 800°F/427°C |
| Sir-Chem® Dry Powder 68 | Nonfluorescent Blue | 75 µm | 3040 | 8 | 168 | 800°F/427°C |
| Sir-Chem® Dry Powder 73 | Nonfluorescent Red | 75 µm | 3040 | 8 | 173 | 250°F/120°C |
| Sir-Chem® Dry Powder 75 | Nonfluorescent/Fluorescent Yellow-Green | 75 µm | 3040 | 8 | 175 | 250°F/120°C |
| Sir-Chem® Dry Powder 91 | Nonfluorescent White/Gray | 75 µm | 3040 | 8 | 180 | 250°F/120°C |
| Sir-Chem® Dry Powder 93 | Nonfluorescent/Fluorescent Red | 75 µm | 3040 | 8 | 181 | 250°F/120°C |
| Sir-Chem® Dry Powder 95 | Nonfluorescent/Fluorescent Yellow-Green | 75 µm | 3040 | 8 | 182 | 250°F/120°C |

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† Representative of the number of lines shown on a tool steel ring as defined in SAE AS5282.

‡ Refer to special instructions in the respective product Technical Bulletin when using in temperatures above 120° F.

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